

Earth Shapes Activity Book

Activities designed
to spark thinking
and creativity!

How many
triangles
do you see?
Color each
one differently.



Explore the world of shapes in a new and exciting book series for Pre-K through 1st Grade created by MindWare®, Brainy Toys for Kids of All Ages®.

MindWare's **SHAPES ACTIVITY BOOKS** are specifically designed to spark thinking and imagination while learning about the important concept of shapes. Grasping the importance of shapes at an early age will help a child learn to apply theories to other subject matter in mathematics, science and language arts in the years to come.

Try these other MindWare favorites!

Mosaics Coloring Books

Explore the art of ancient cultures through 23 fascinating mosaic images in **Aboriginal Mosaics**, **Aztec Mosaics**, **Celtic Mosaics** and **Classic Mosaics**.

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Picture and word clues help you solve 104 science or geography riddles. Cards include answers and double as a real card deck!

Bella's Mystery Card Decks

Help our 13-year-old heroine Bella solve 50 non-violent mysteries in each of these MindWare bestsellers. Three different titles now available!

Illustrations by Mary Stadelman

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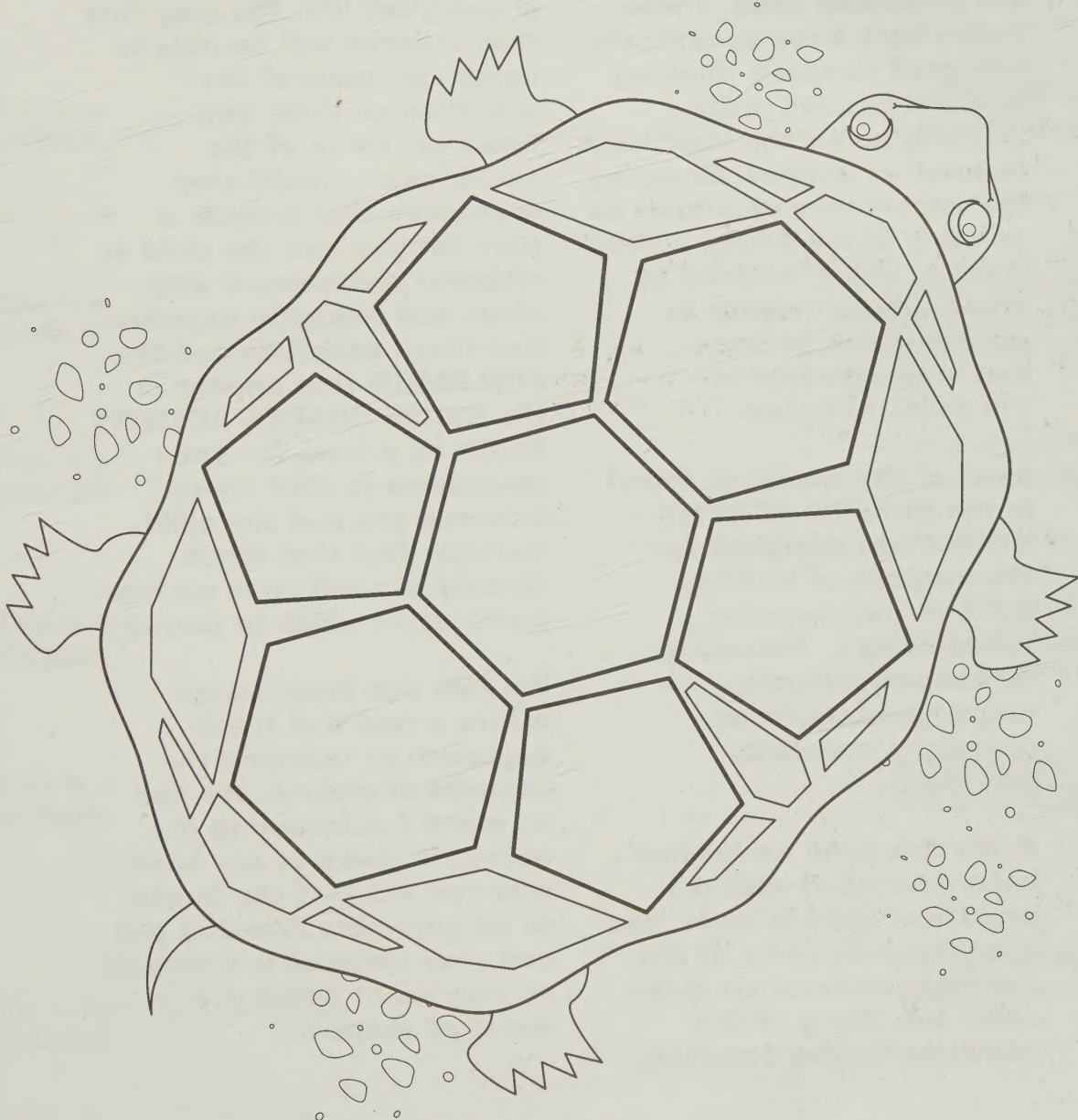
This book may be ordered from the publisher.

MindWare®

Brainy Toys for Kids of All Ages®

www.MINDWAREonline.com

Earth Shapes Activity Book



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Introduction...

MindWare®'s SHAPES ACTIVITY BOOKS are a new and unique experience for the preschool child. These books have been specifically designed to spark thinking and imagination while learning about the important concept of shapes. Grasping the importance of shapes at an early age will help a child learn to apply theories to other subject matter in mathematics, science and language arts in the years to come.

Each of the activities found in the **SHAPES ACTIVITY BOOKS** are designed for the purpose of building skills in visual-spatial relationships, following directions, counting, language association, discovery, creativity and more.

While this book series has been developed with the preschool child in mind, you may find that some of the activities interest an older child, too. Many of the activities involve counting,

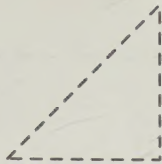
coloring and tracing. These activities aid in the ability to identify shapes and explain how they play an integral role in everyday life. You may find that children will be able to complete many of the activities on their own. However, some of the activities are multi-step processes that provide a time for you and the child to discover and discuss new ideas and thoughts together. Use these activities and the **FUN FACTS** that appear in the **EARTH SHAPES ACTIVITY BOOK** as a time for open discussion to flow freely between you and the child. You may find that these discussions will open up new paths down which to journey!

We feel this book series offers a new and fresh approach to teaching the concept of shapes. We had so much fun inventing the activities and it is our hope that you will find the books to be enjoyable and that you and your children will benefit as they learn about the world of shapes!

Trace the RECTANGLE above.

Trace the shapes as you learn about them.

This is a
TRIANGLE.



A TRIANGLE has
THREE sides.

This is a
SQUARE.



A SQUARE has
FOUR EQUAL sides.

This is a
DIAMOND.



A DIAMOND is a square
balancing on one corner.

This is a
RECTANGLE.



A RECTANGLE has **FOUR**
sides. Sides across from
each other are **EQUAL**.

This is a
PARALLELOGRAM



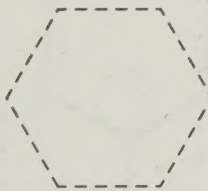
A PARALLELOGRAM
is a slanted **RECTANGLE**.

This is a
PENTAGON.



A PENTAGON has
FIVE EQUAL sides.

This is a
HEXAGON.



A HEXAGON has
SIX EQUAL sides.

This is an
OCTAGON.

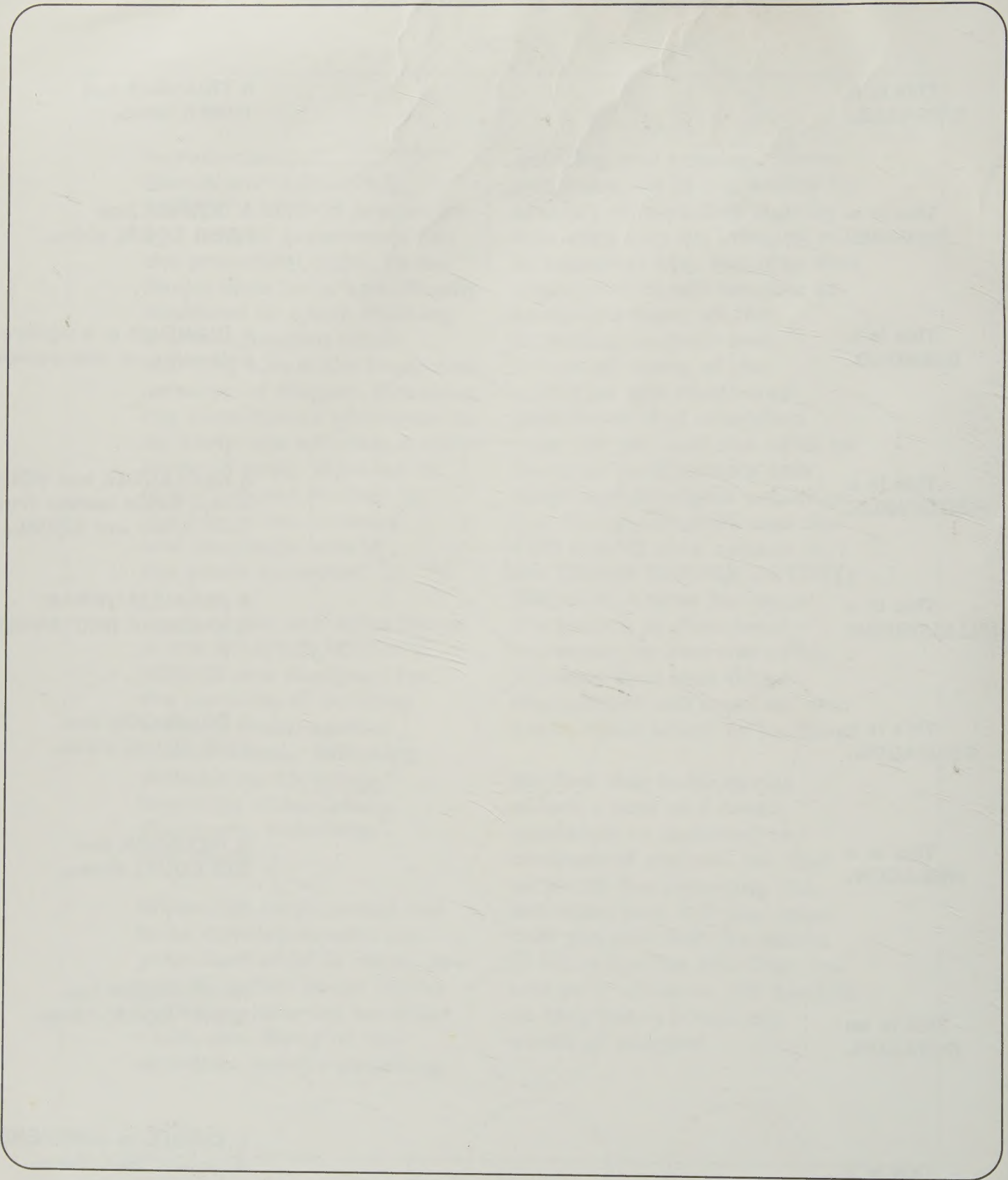


An OCTAGON has
EIGHT EQUAL sides.

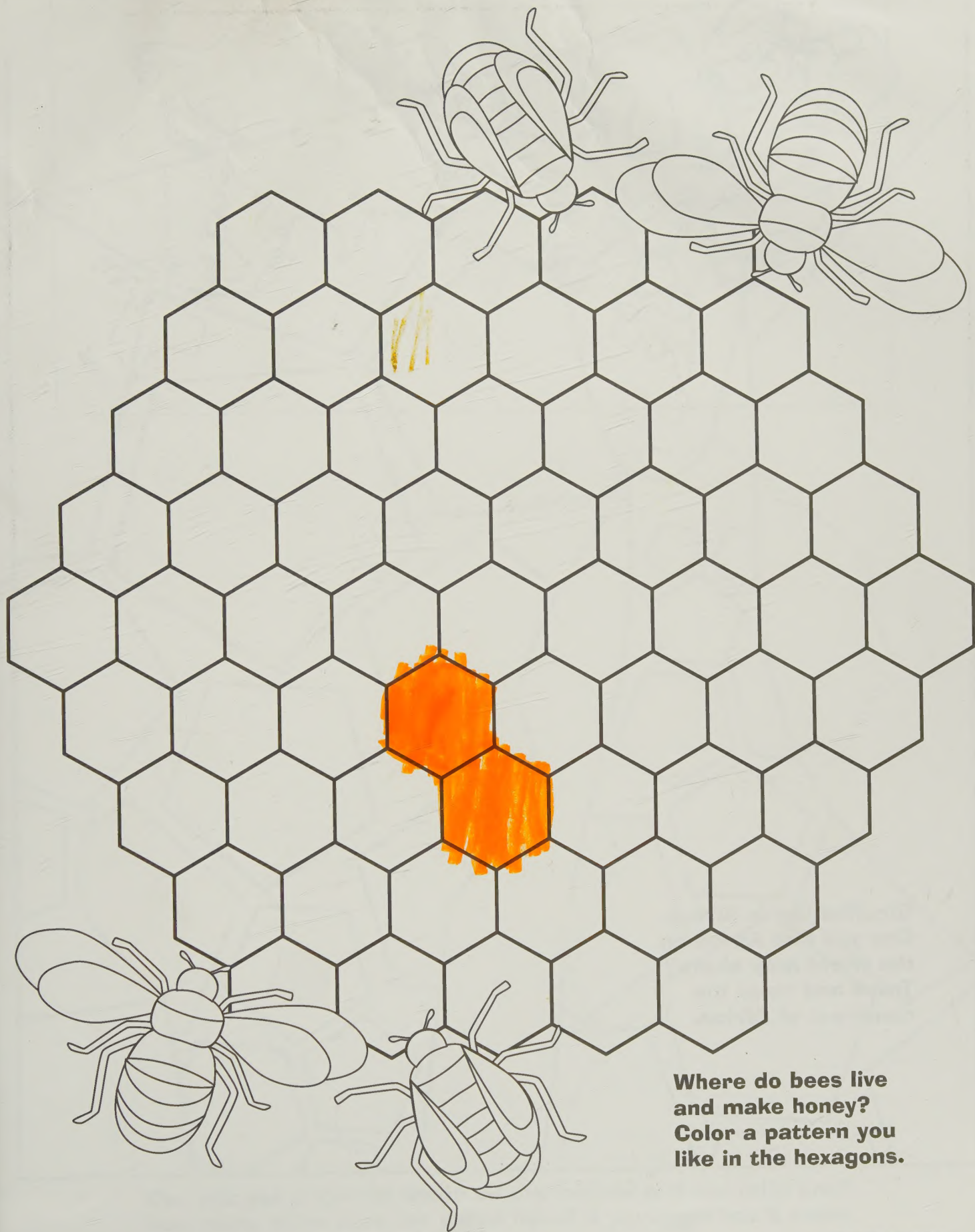
This is a
CIRCLE.



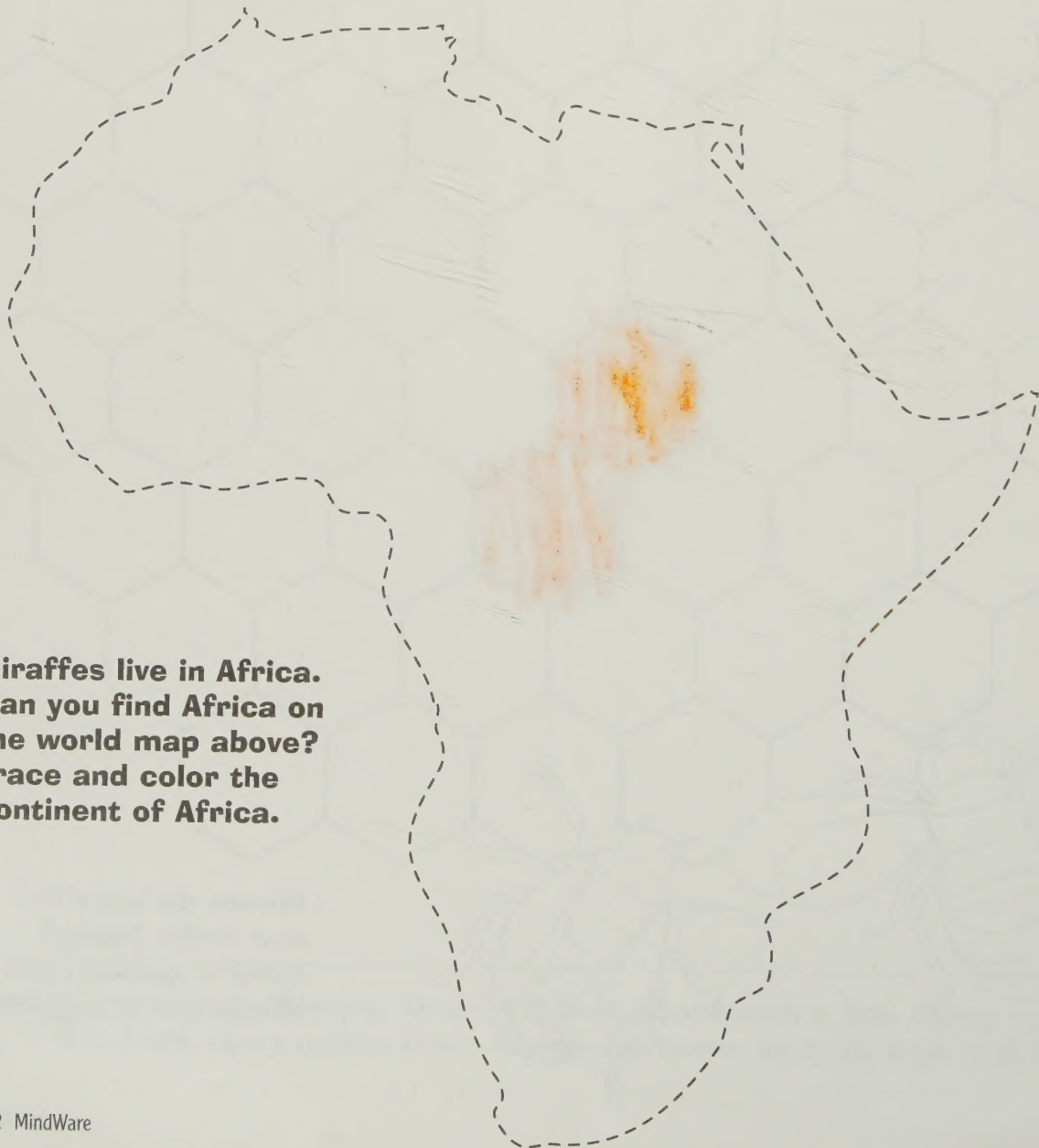
A CIRCLE or a **SPHERE**
does not have sides.
It is round.



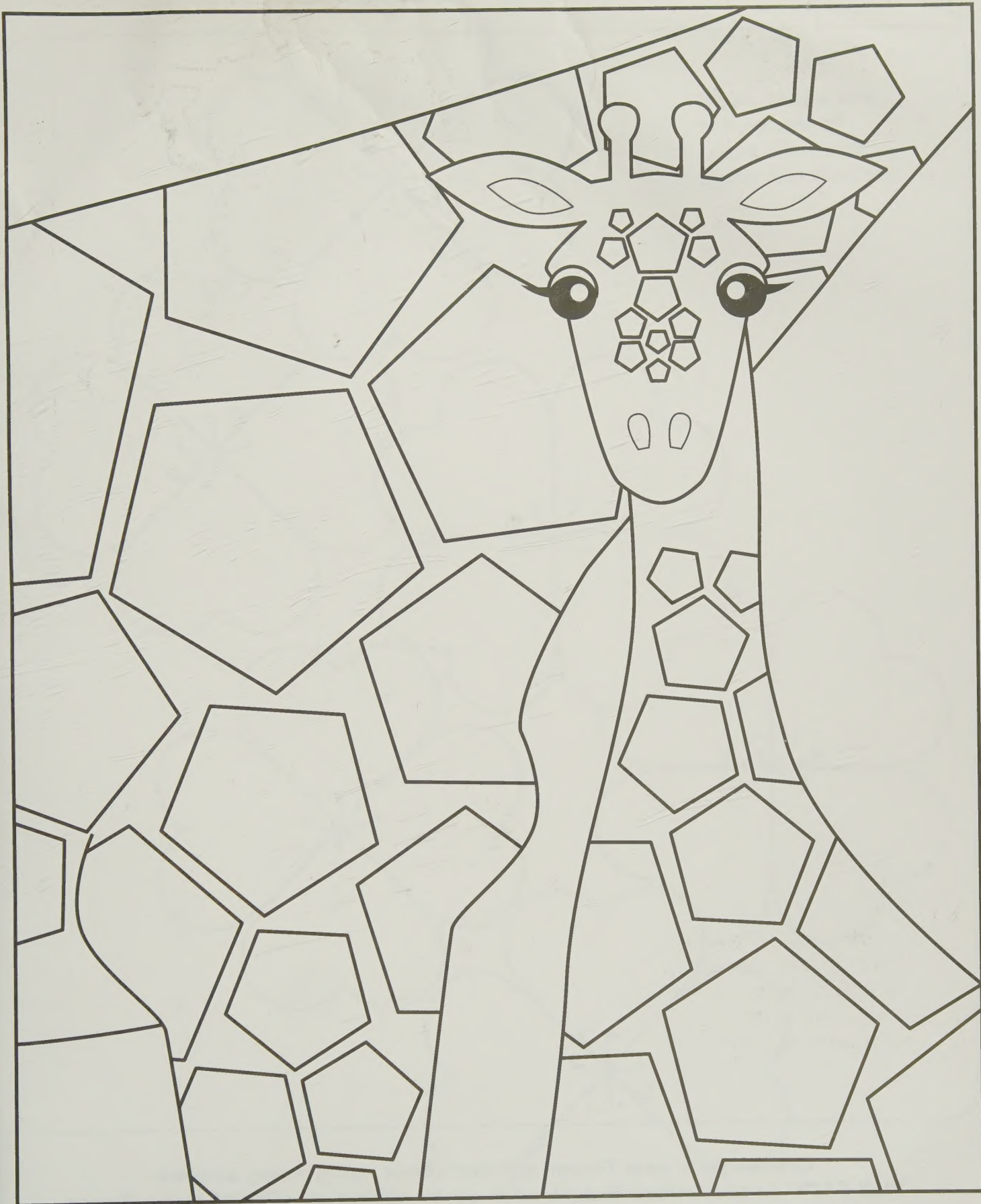
Bees help pollinate flowers. Draw a flower above with a bee flying nearby.
FUN FACT: Bees carry pollen from flower to flower on their legs and bodies.



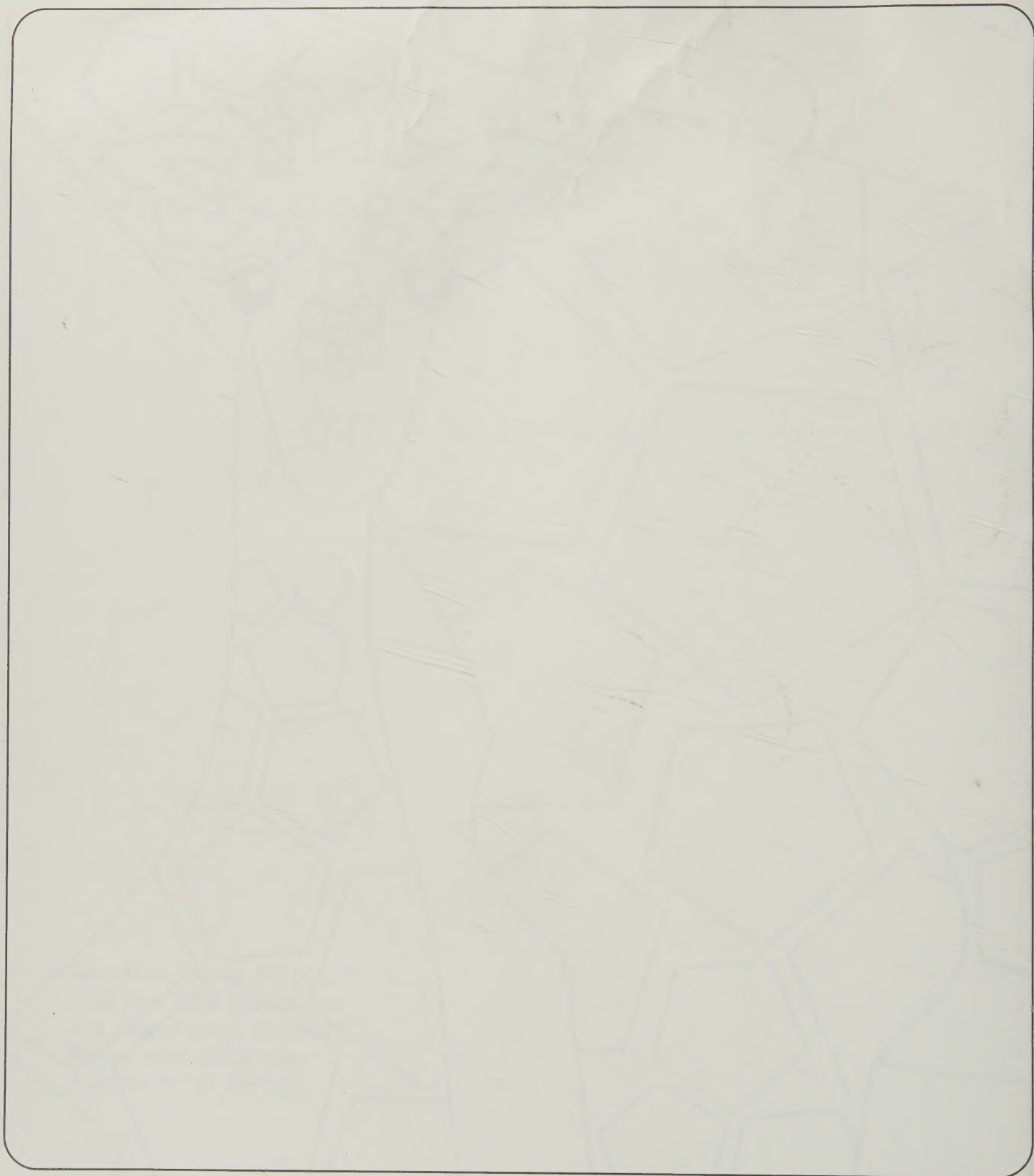
**Where do bees live
and make honey?
Color a pattern you
like in the hexagons.**



**Giraffes live in Africa.
Can you find Africa on
the world map above?
Trace and color the
continent of Africa.**

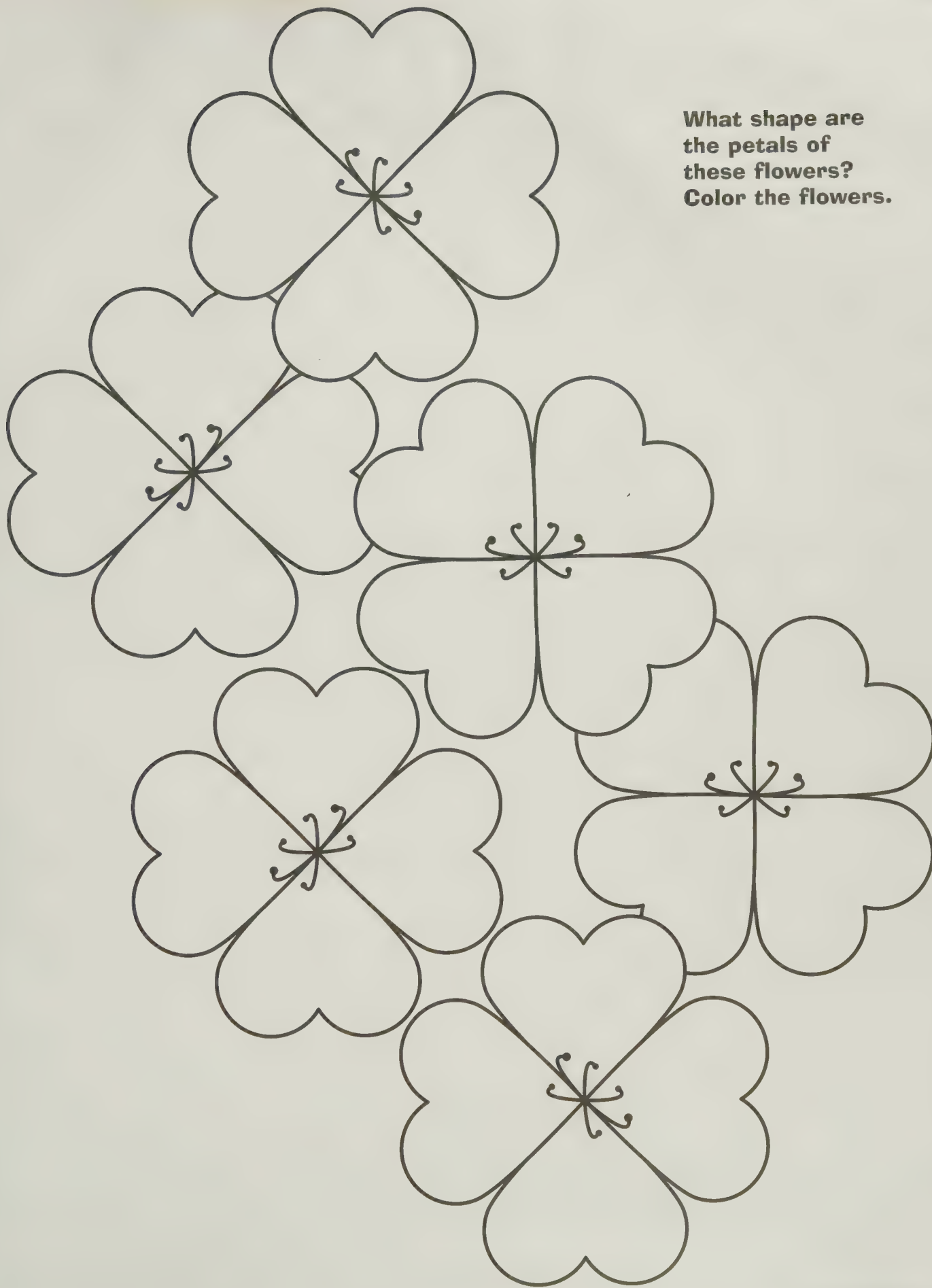


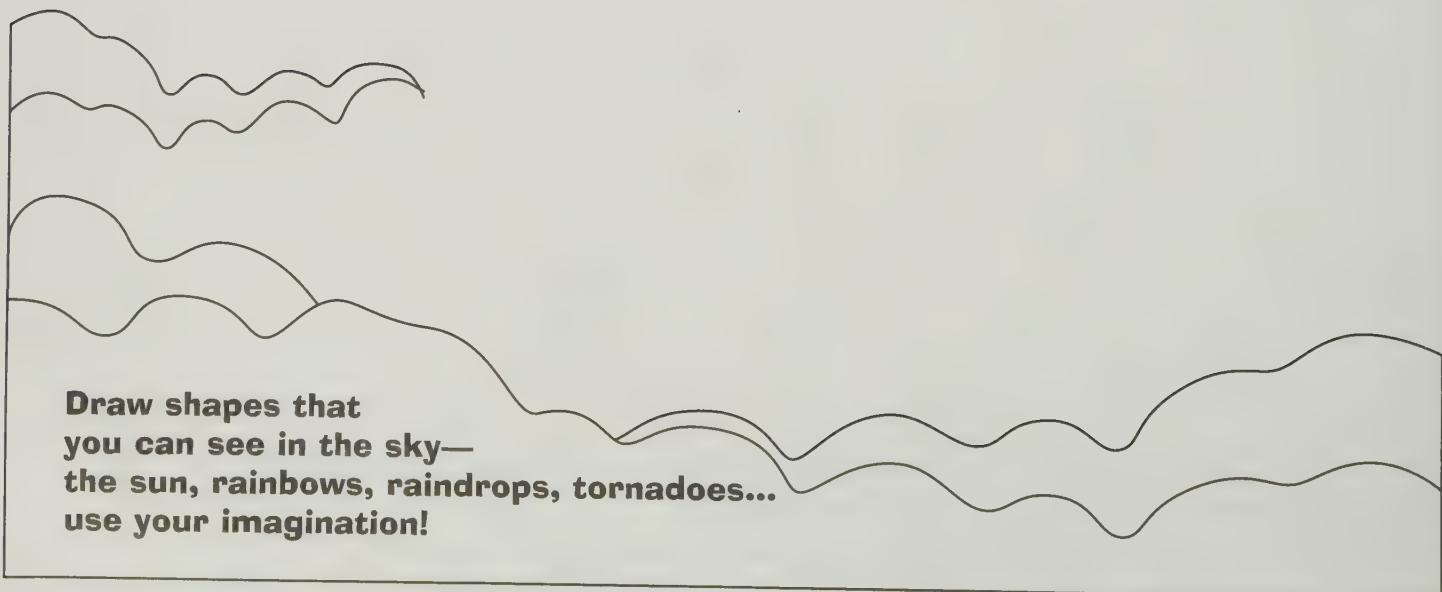
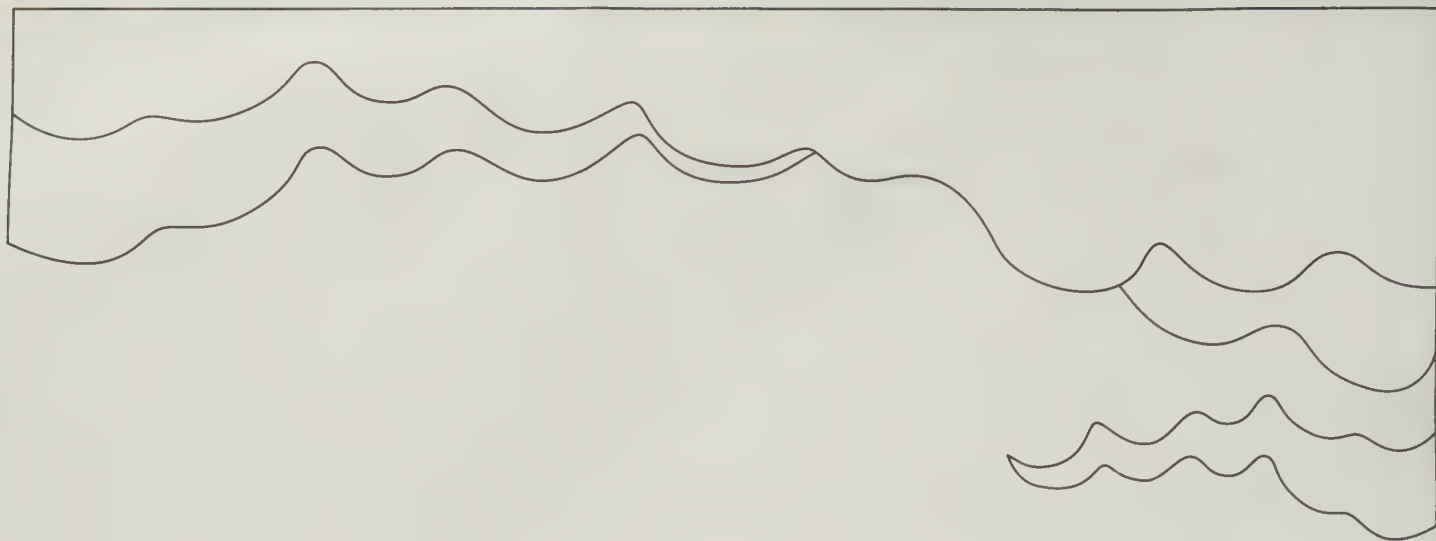
**Can you see a special shape on the mother and her little one?
How many sides does the shape have? A pentagon has 5 sides.**



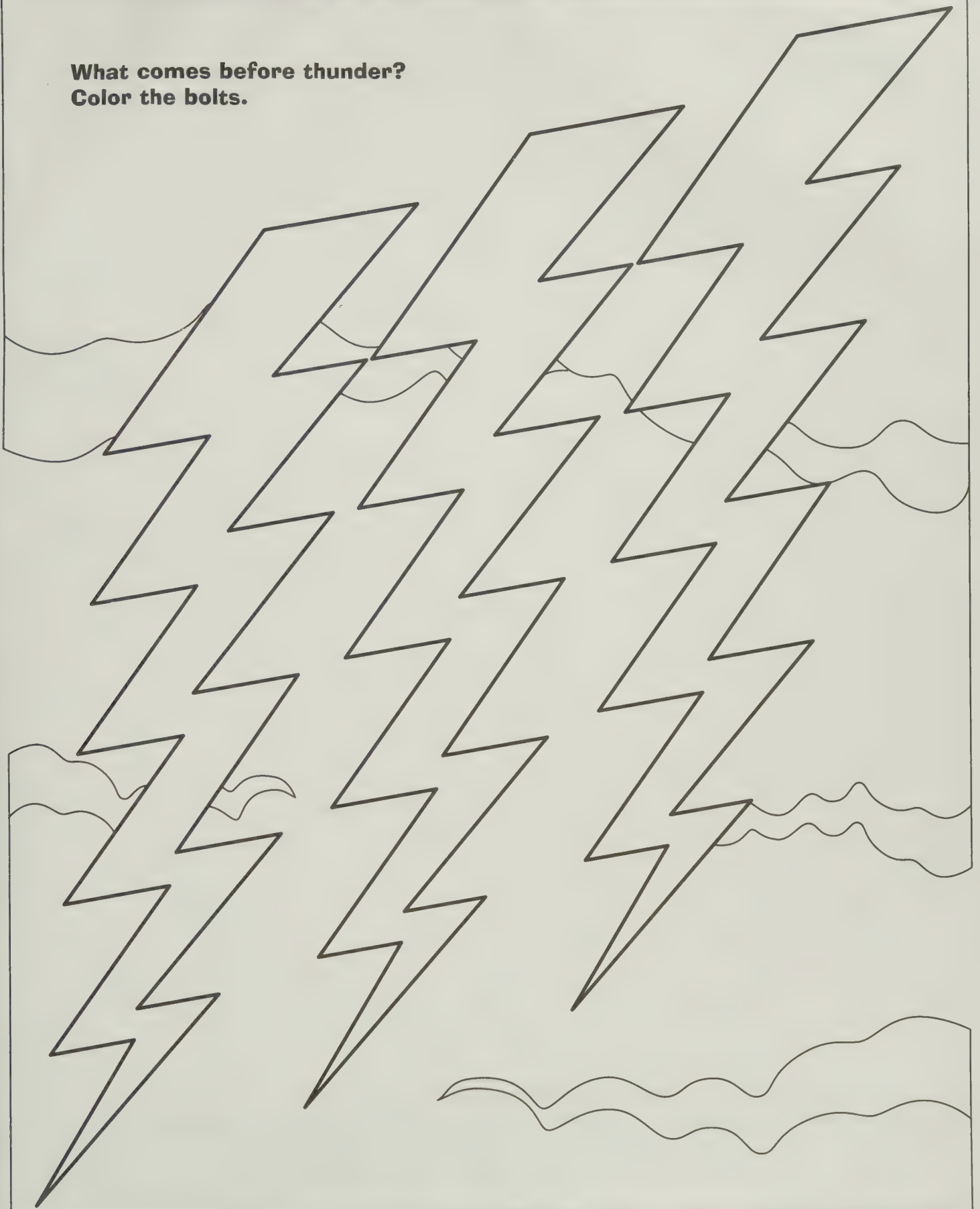
Create your own flower garden above using many shapes.
FUN FACT: In the United States each state claims an official state flower.
Do you know what your state flower looks like?

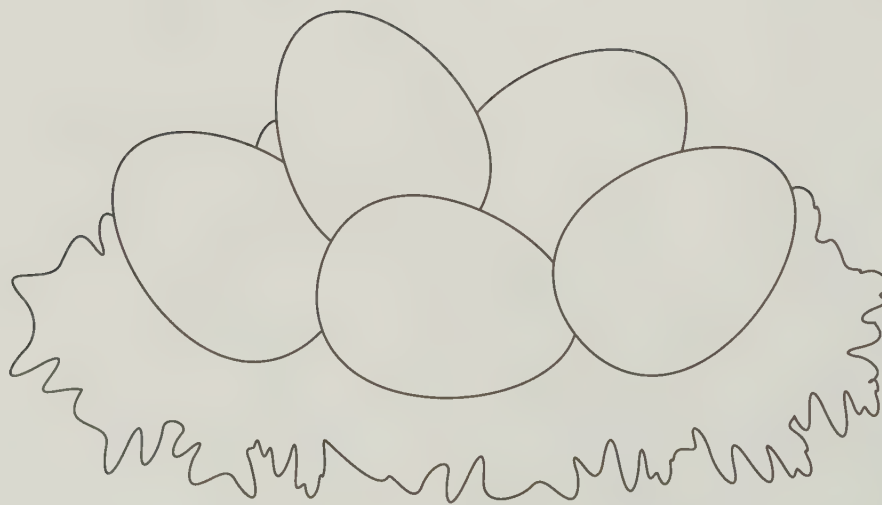
**What shape are
the petals of
these flowers?
Color the flowers.**





**What comes before thunder?
Color the bolts.**





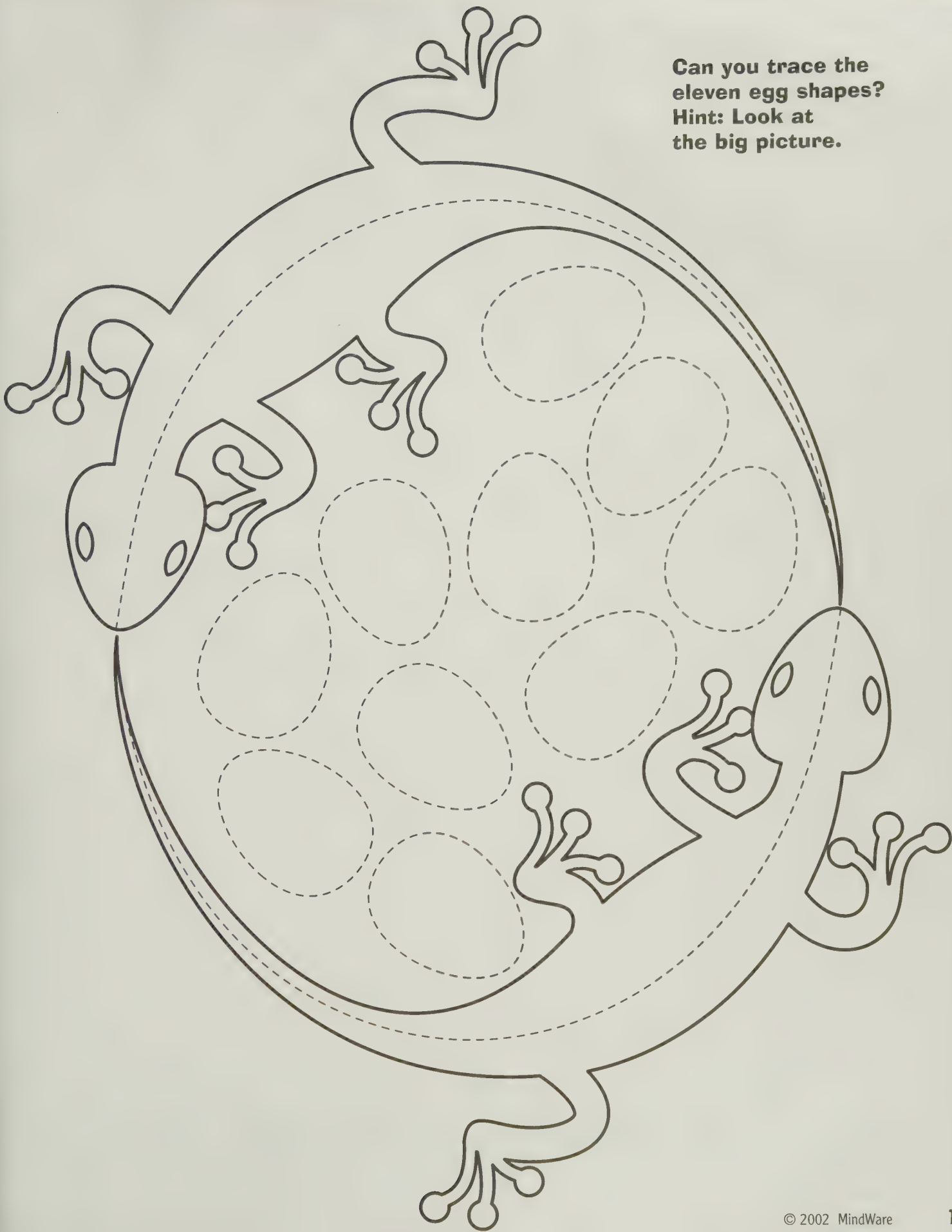
Draw an animal that lays eggs.

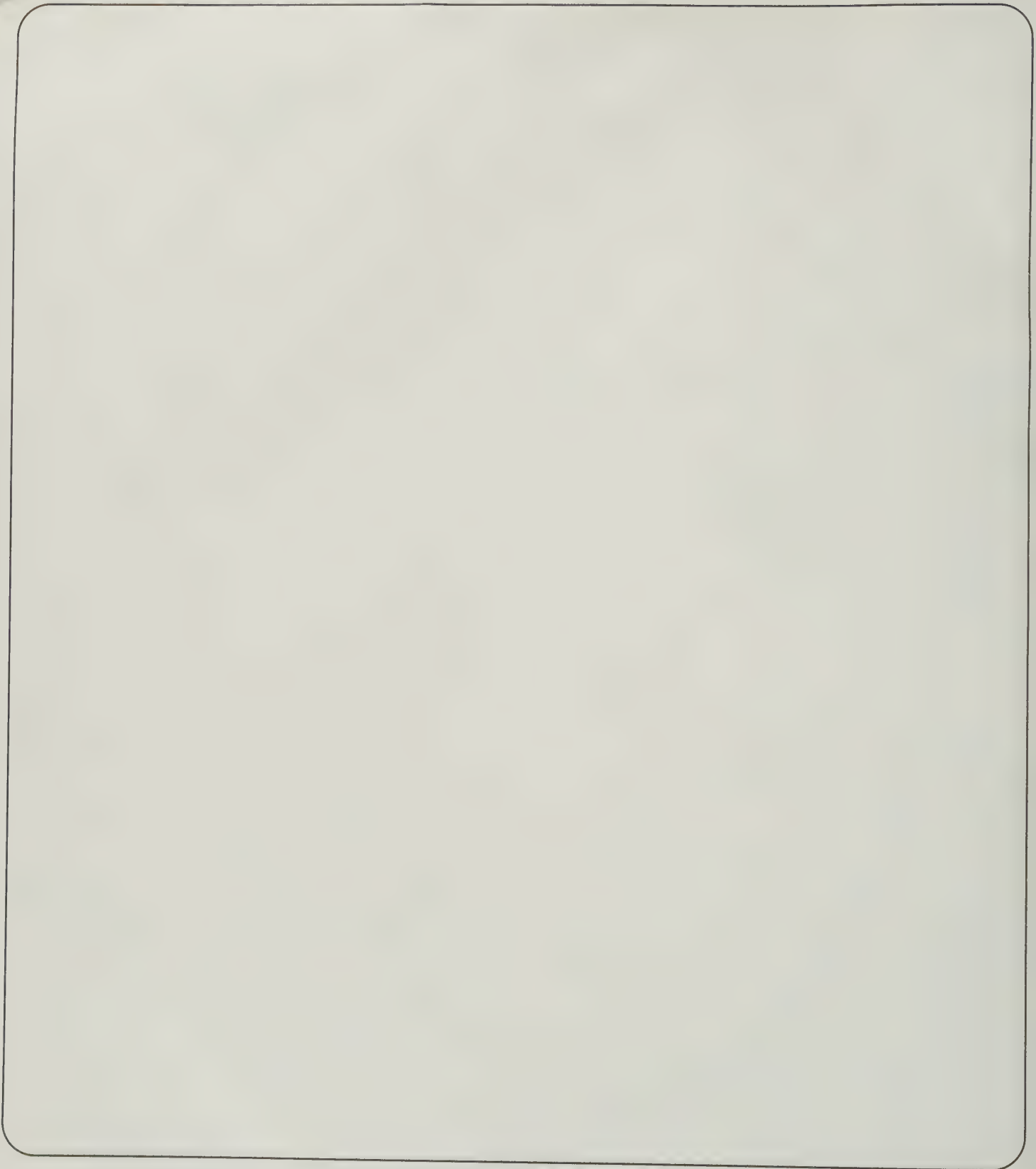
FUN FACT: The platypus is the only mammal on earth that lays eggs.

All other mammals give live birth to their babies.

Did you know that you're a mammal?

**Can you trace the
eleven egg shapes?
Hint: Look at
the big picture.**

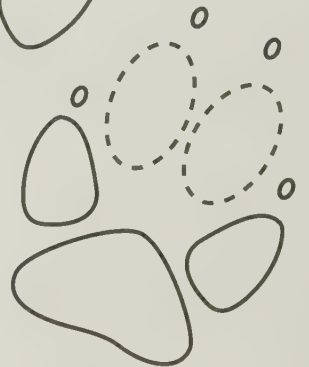




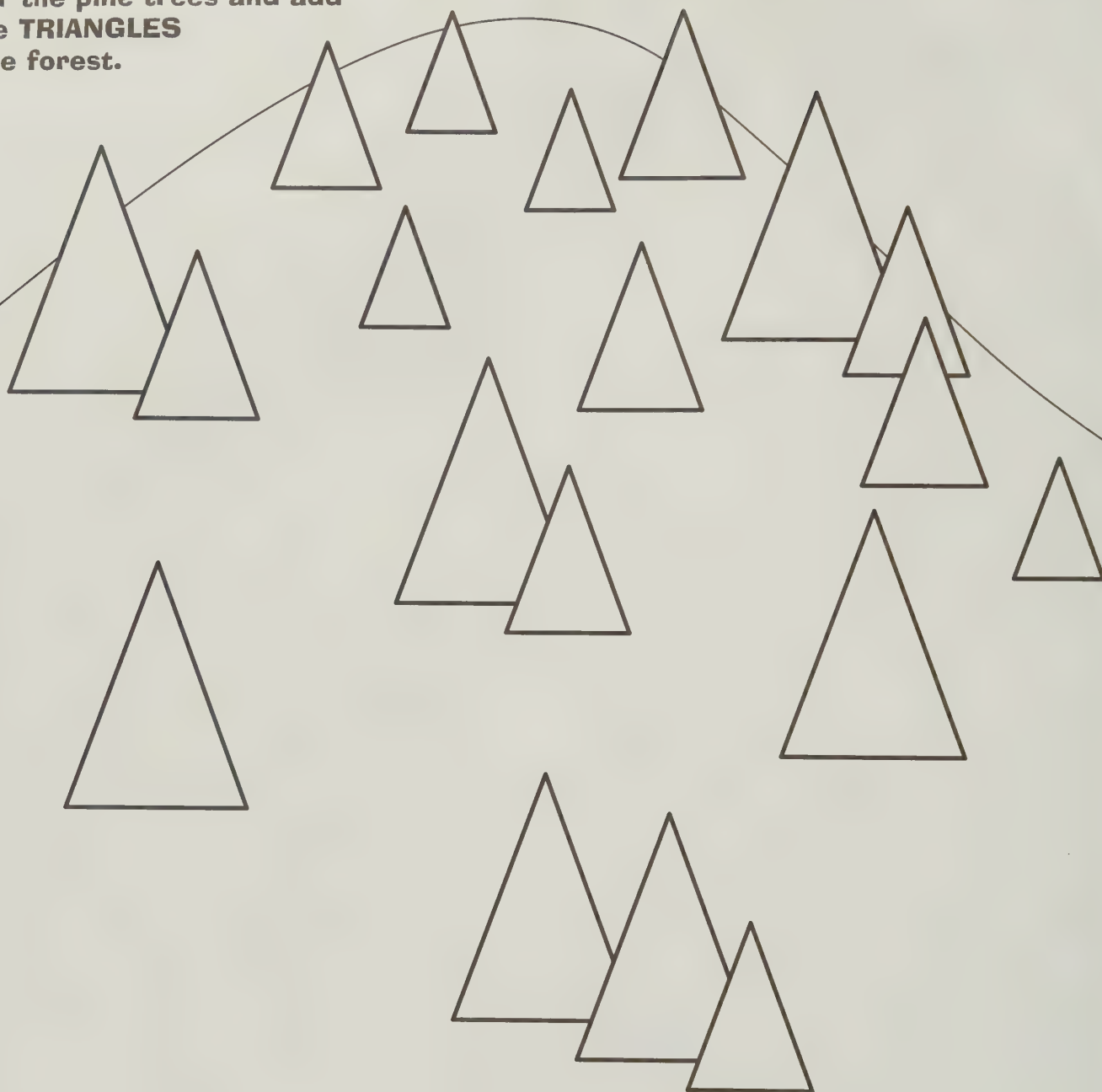
**Make your own tracks! Trace both of your feet.
Count the toes on each foot. Add them together. How many toes do you have?**



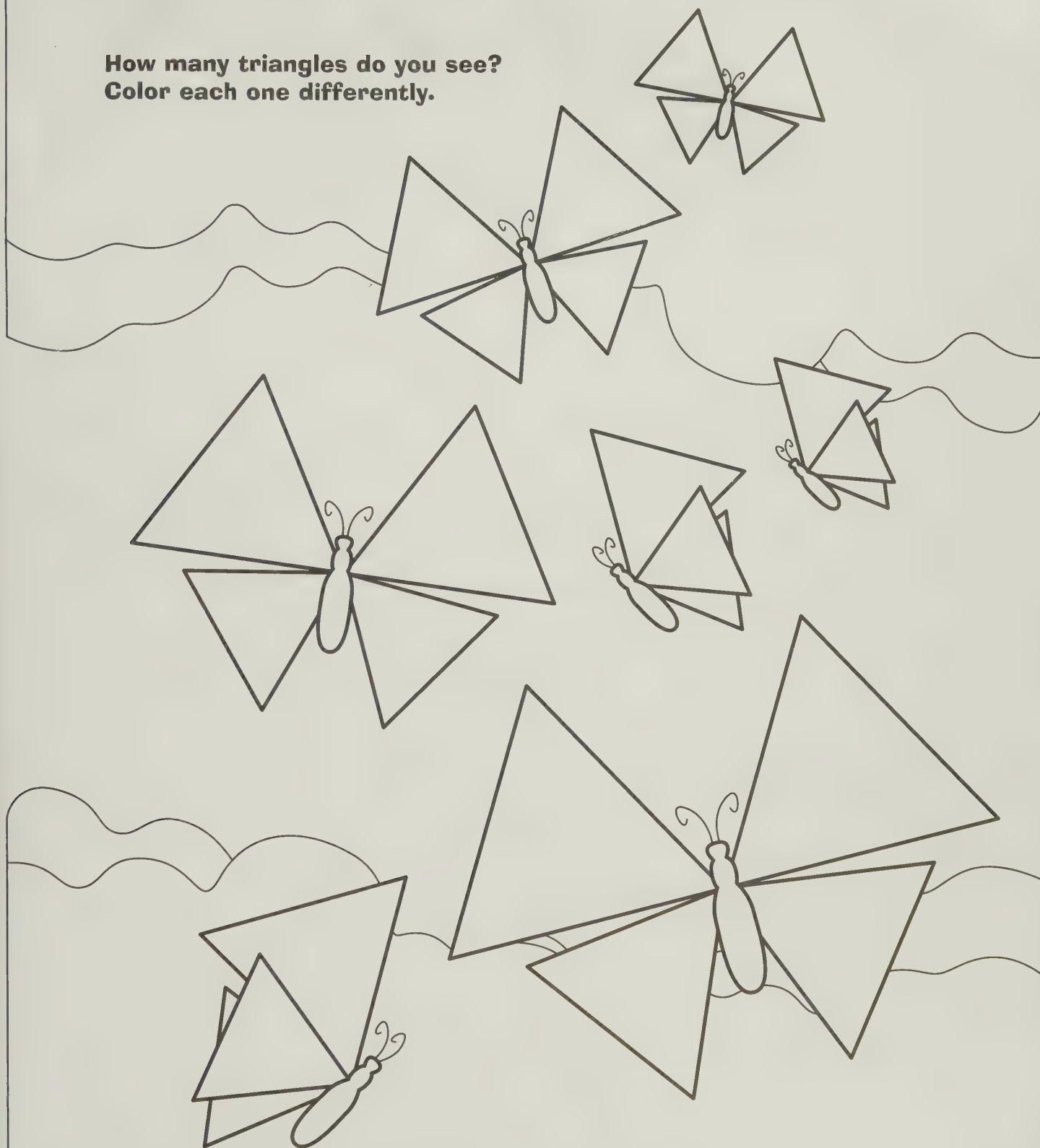
**Wolf tracks make
oval shapes.
Trace the ovals
and color the
wolf tracks.**



A forest of pine trees looks like
TRIANGLES on the hill side.
Color the pine trees and add
more **TRIANGLES**
to the forest.



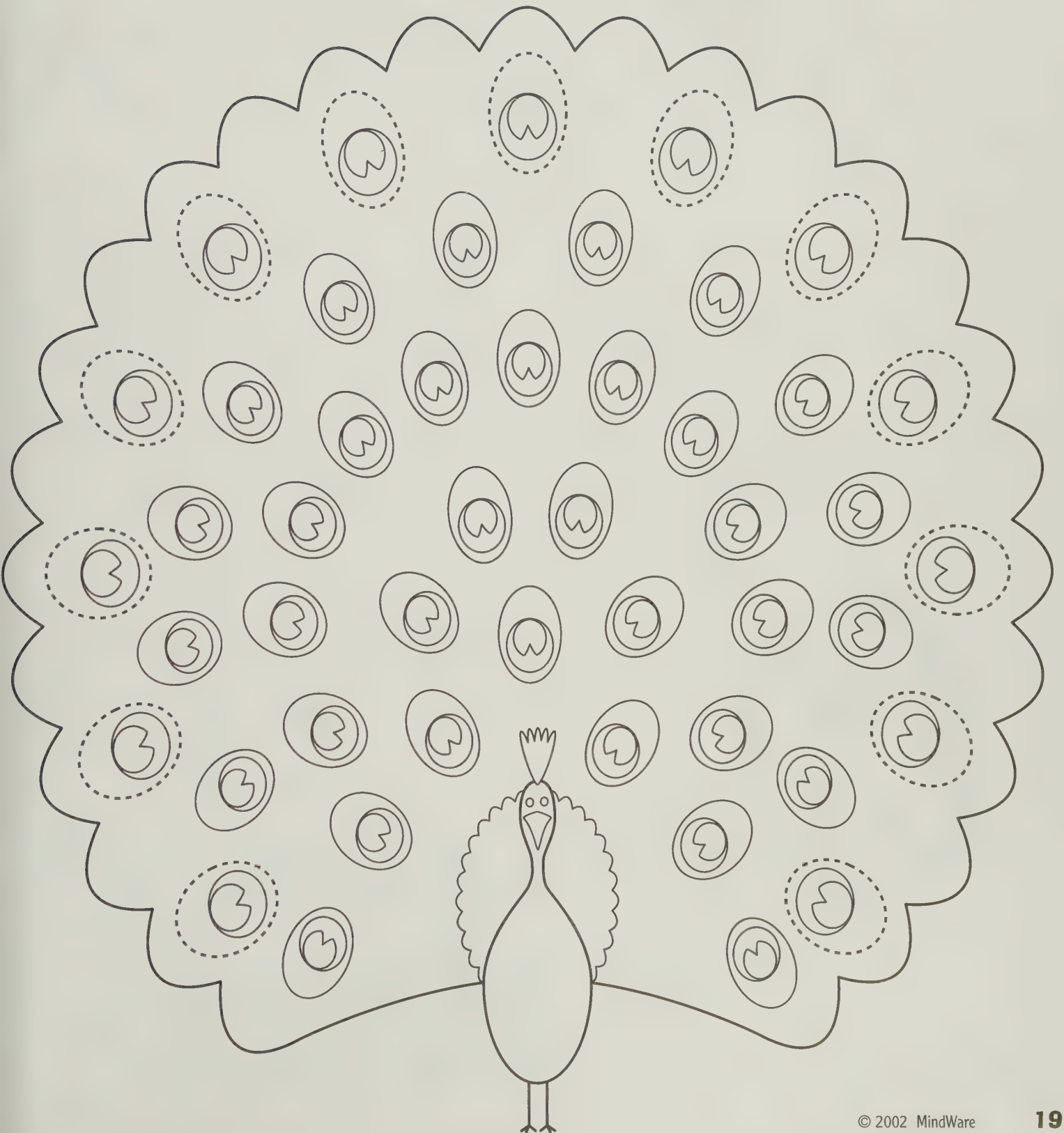
How many triangles do you see?
Color each one differently.

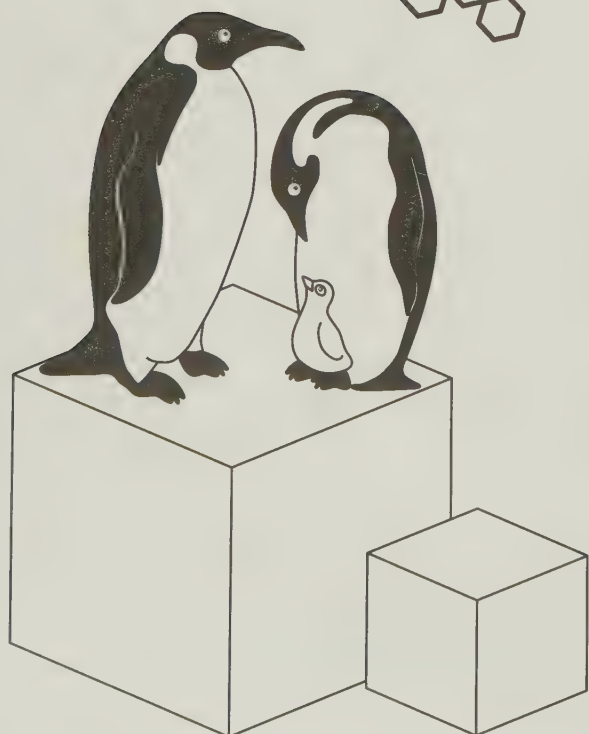
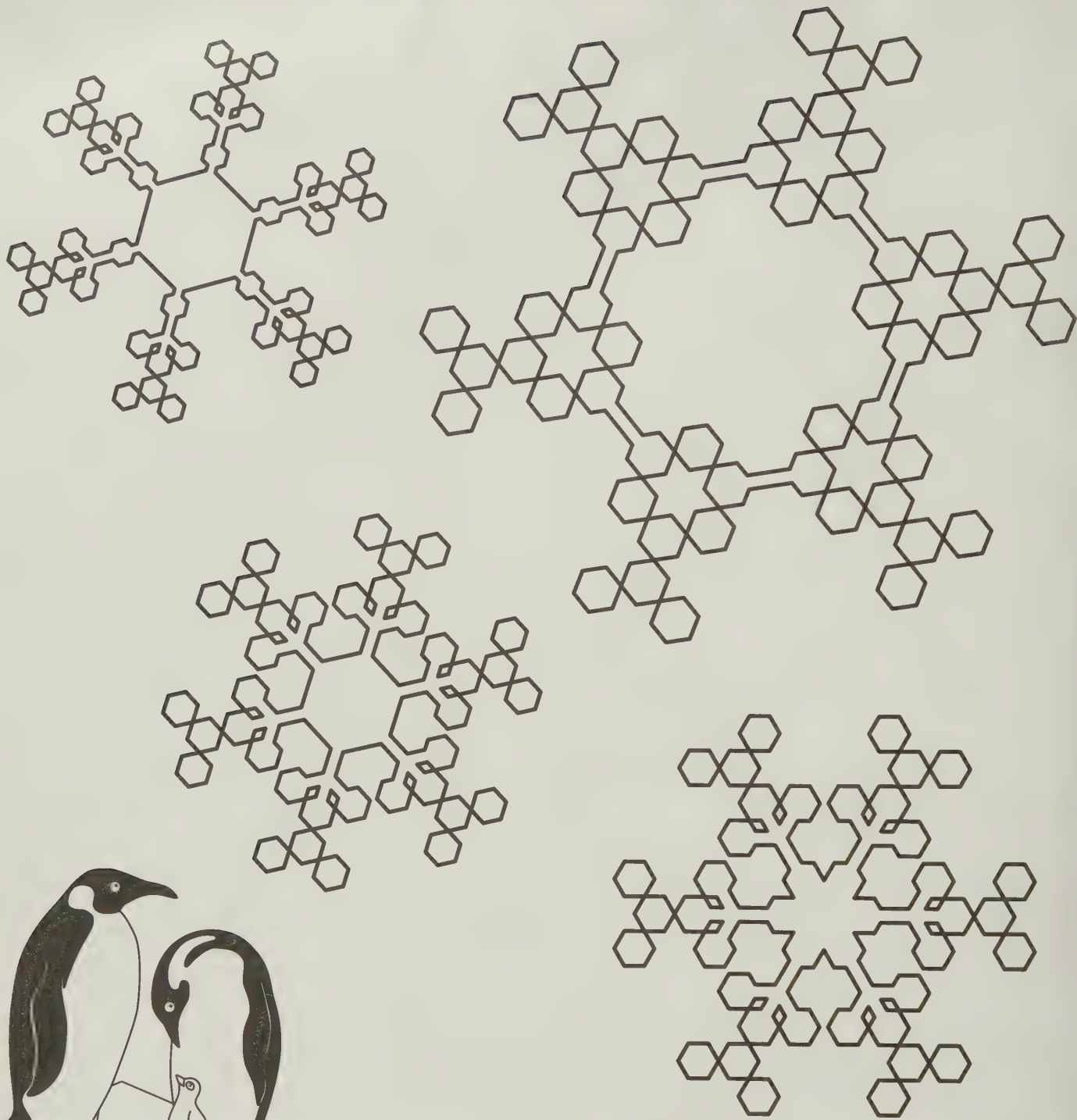




Use seven colors to color the rainbow above.
Rainbows make an arc in the sky, like the arc of the peacock feathers.

**The peacock is a bird that has beautiful feathers, but does not use them to fly.
Trace the oval shape on the feathers.
Color the peacock with rainbow colors.**

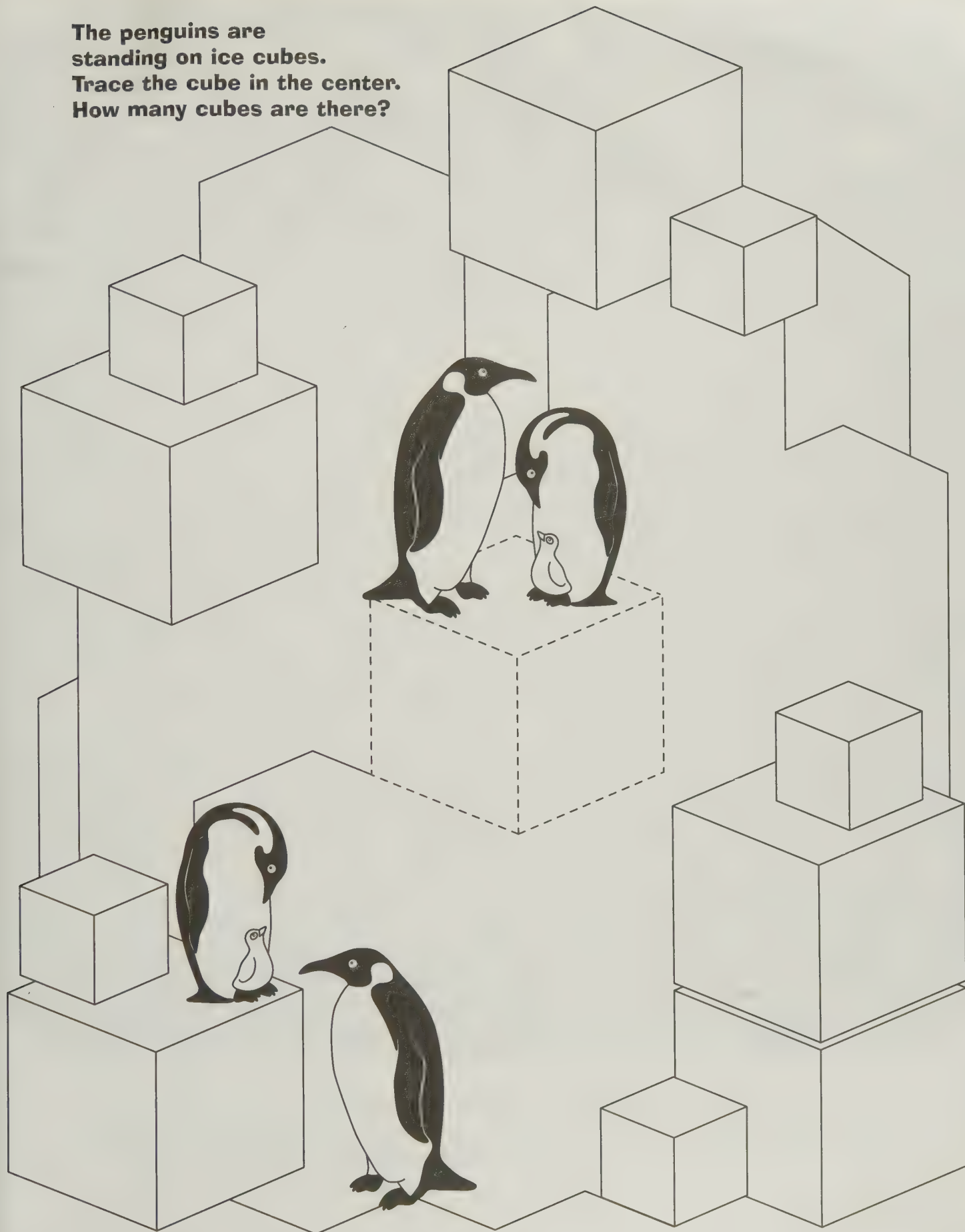




**When it is very cold out, rain falls as snow.
Every snowflake is different.
Color each snowflake a different pattern.**

**FUN FACT: Emperor penguins live in
the coldest place in the world, on the
continent of Antarctica. They are the
largest penguins on the earth. Some
have grown to nearly four feet tall!**

The penguins are standing on ice cubes. Trace the cube in the center. How many cubes are there?

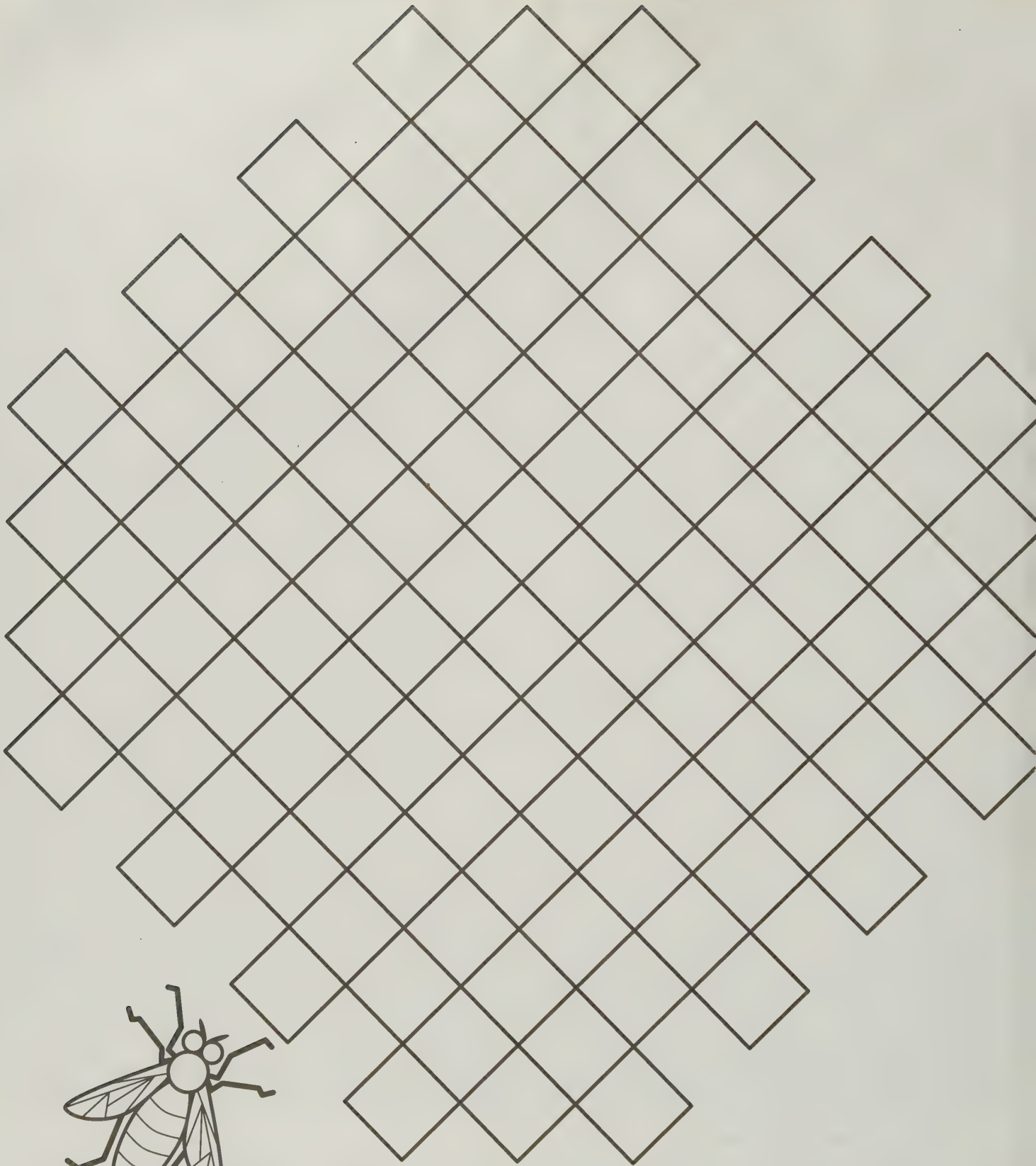




Connect the stars to form this famous constellation, The Big Dipper.
FUN FACT: Did you know that the light from the nearest star to earth (apart from the sun) takes more than four years to reach the earth?

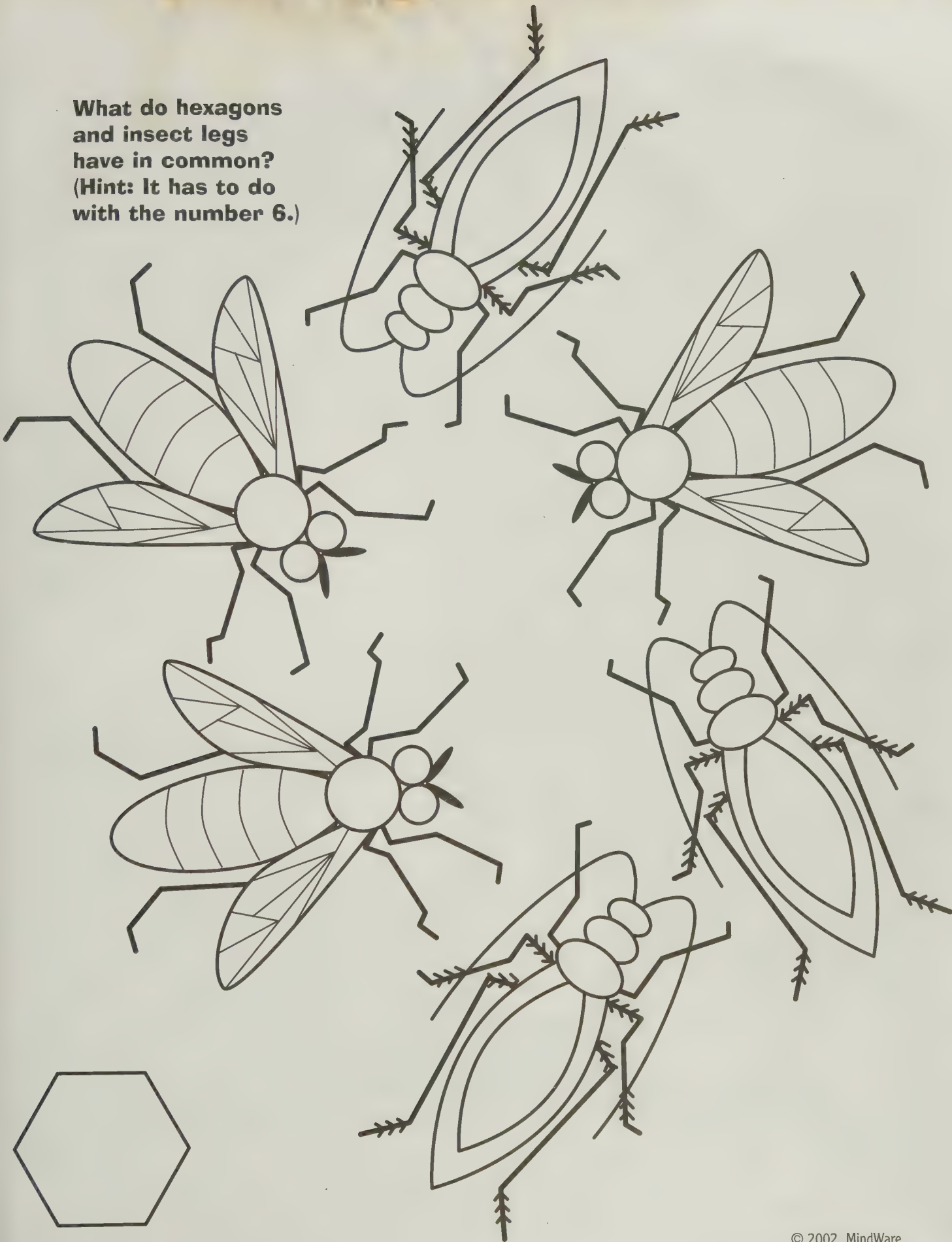


**The petals of these
flowers make a surprising
shape in the middle.
What is the shape? Color it in.**



Color the compound pattern above. This is what a fly sees!
FUN FACT: A fly has compound eyes. This means the insect sees the world in a mosaic-like pattern. A mosaic is made up of many repeating images that form a picture.

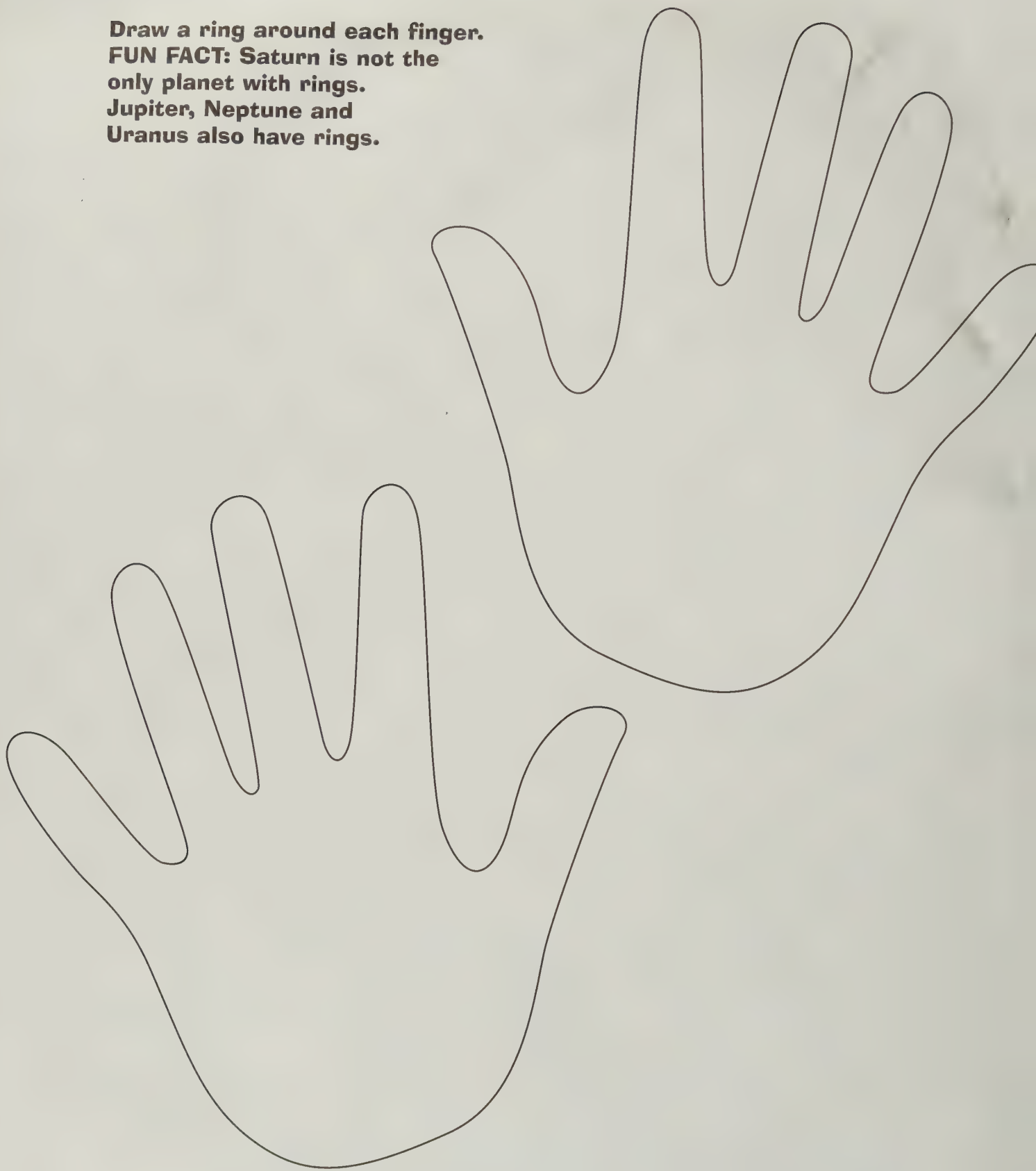
What do hexagons
and insect legs
have in common?
(Hint: It has to do
with the number 6.)



Draw a ring around each finger.

FUN FACT: Saturn is not the only planet with rings.

Jupiter, Neptune and Uranus also have rings.





What shape are the planets?

FUN FACT: There are nine planets in our solar system.

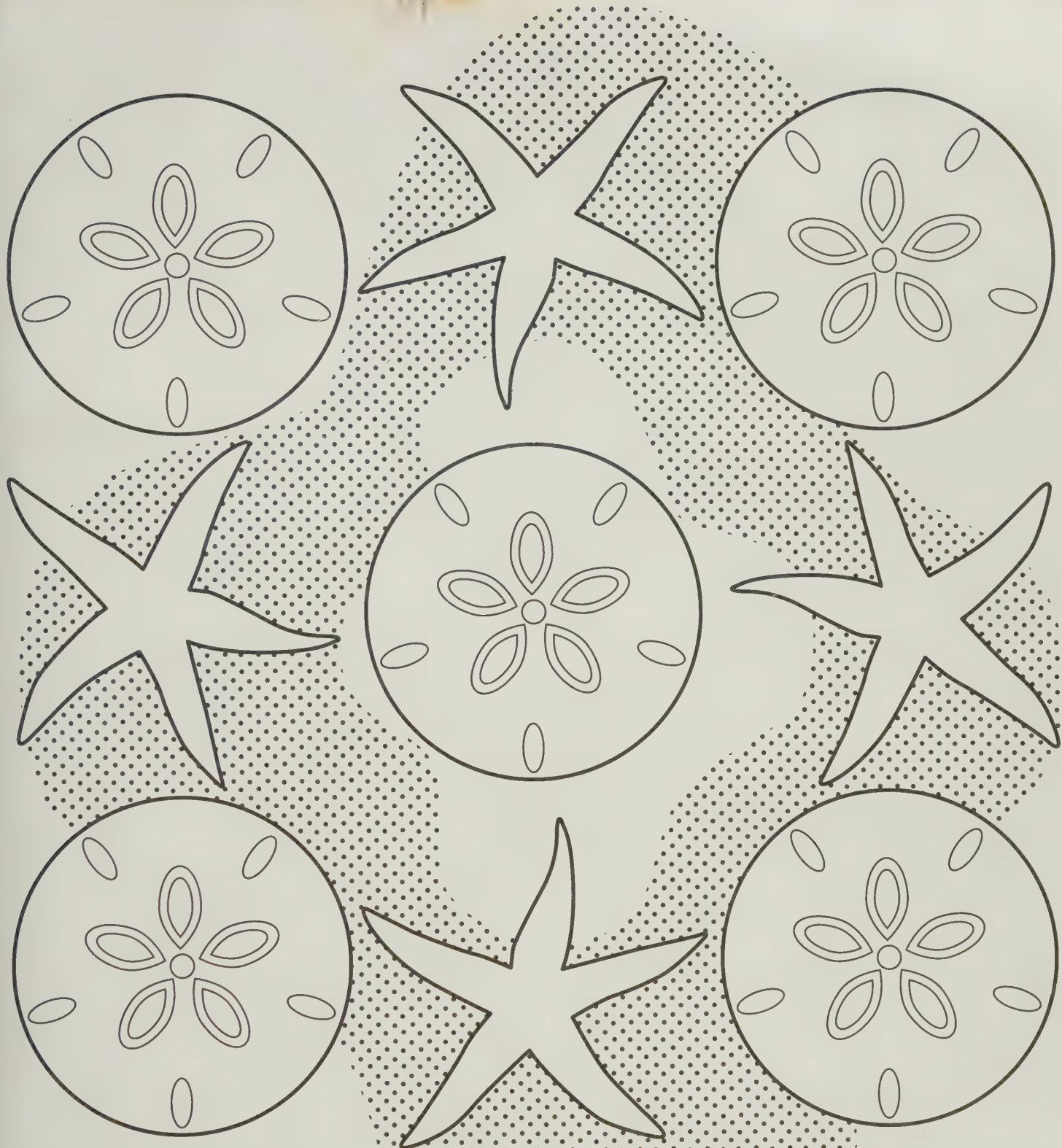
Our planet, Earth, has one moon, but Jupiter has many moons.

Can you find Earth and color it blue?



Draw a new arm for the starfish and color it.

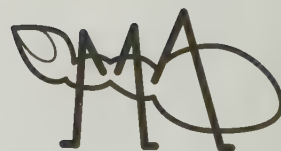
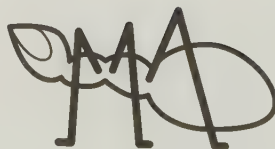
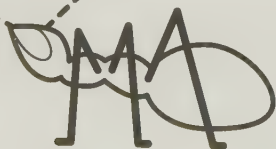
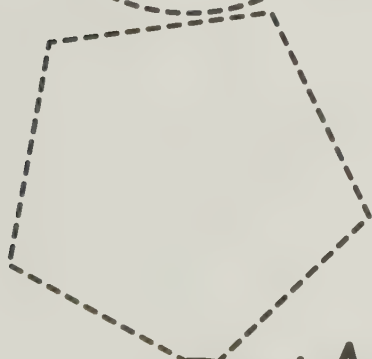
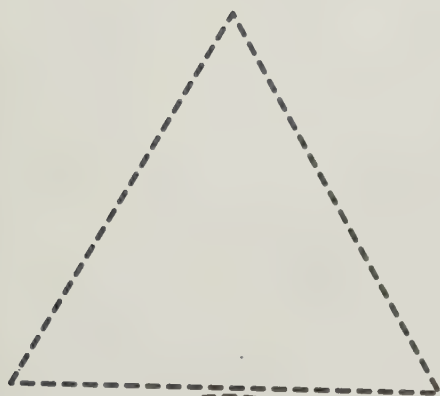
FUN FACT: Did you know most starfish can grow new arms if the old arms are broken or bitten off? A new arm can grow back within a few weeks.



Color the starfish one color and the sand dollars a different color.

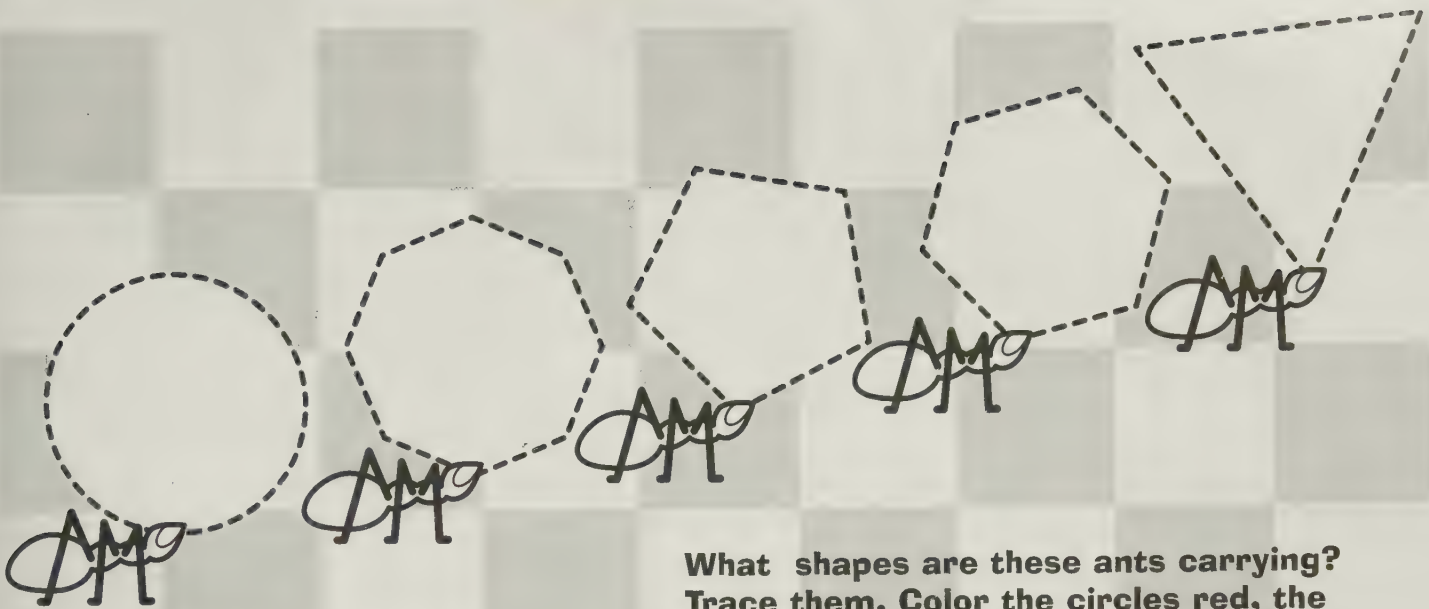
What do pentagons, starfish and sand dollars have in common?

(Hint: It has to do with the number 5.)

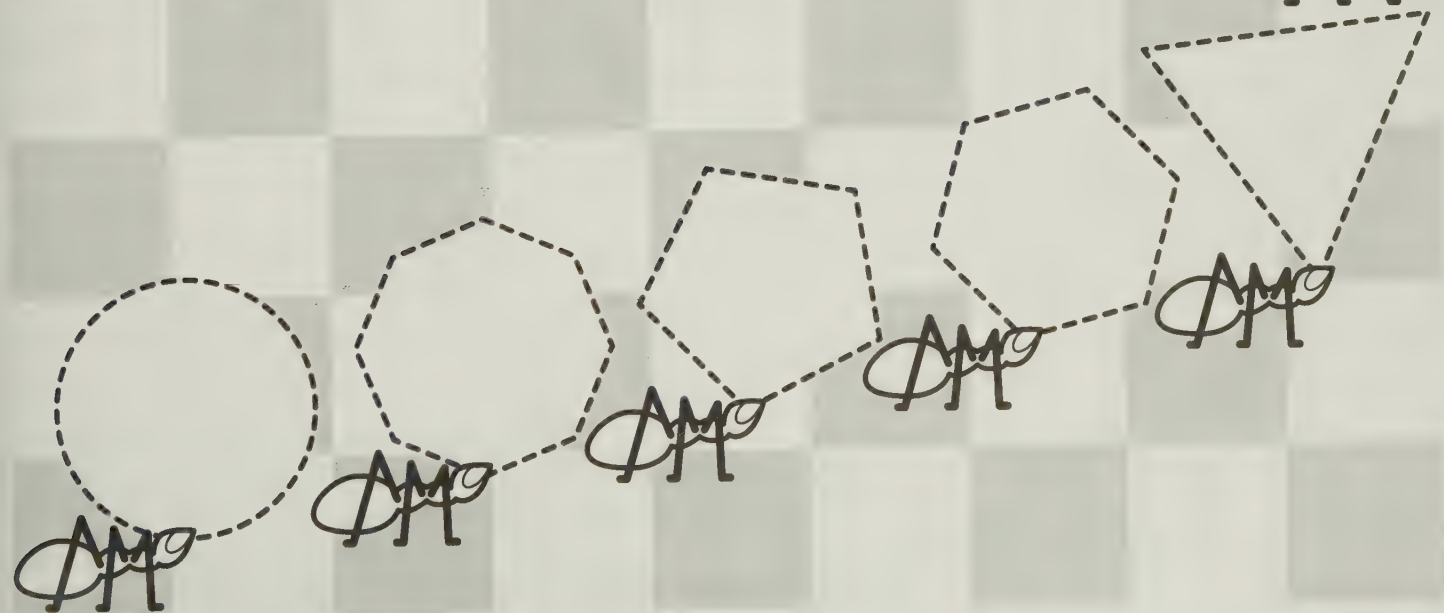
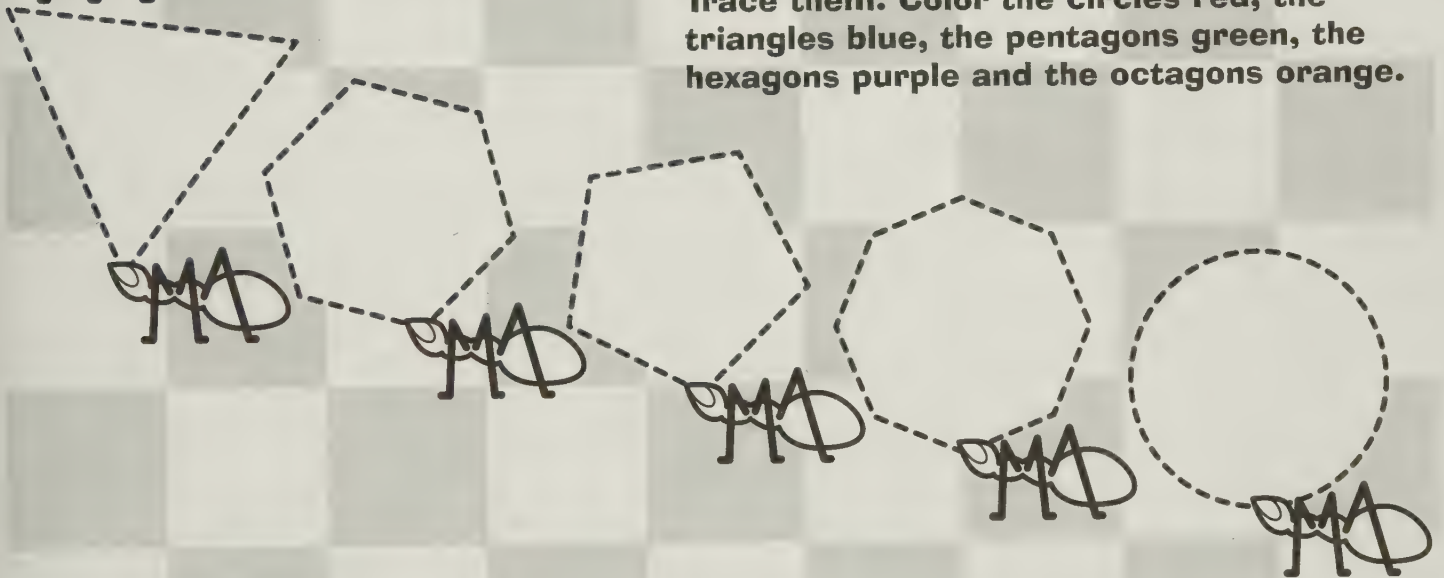


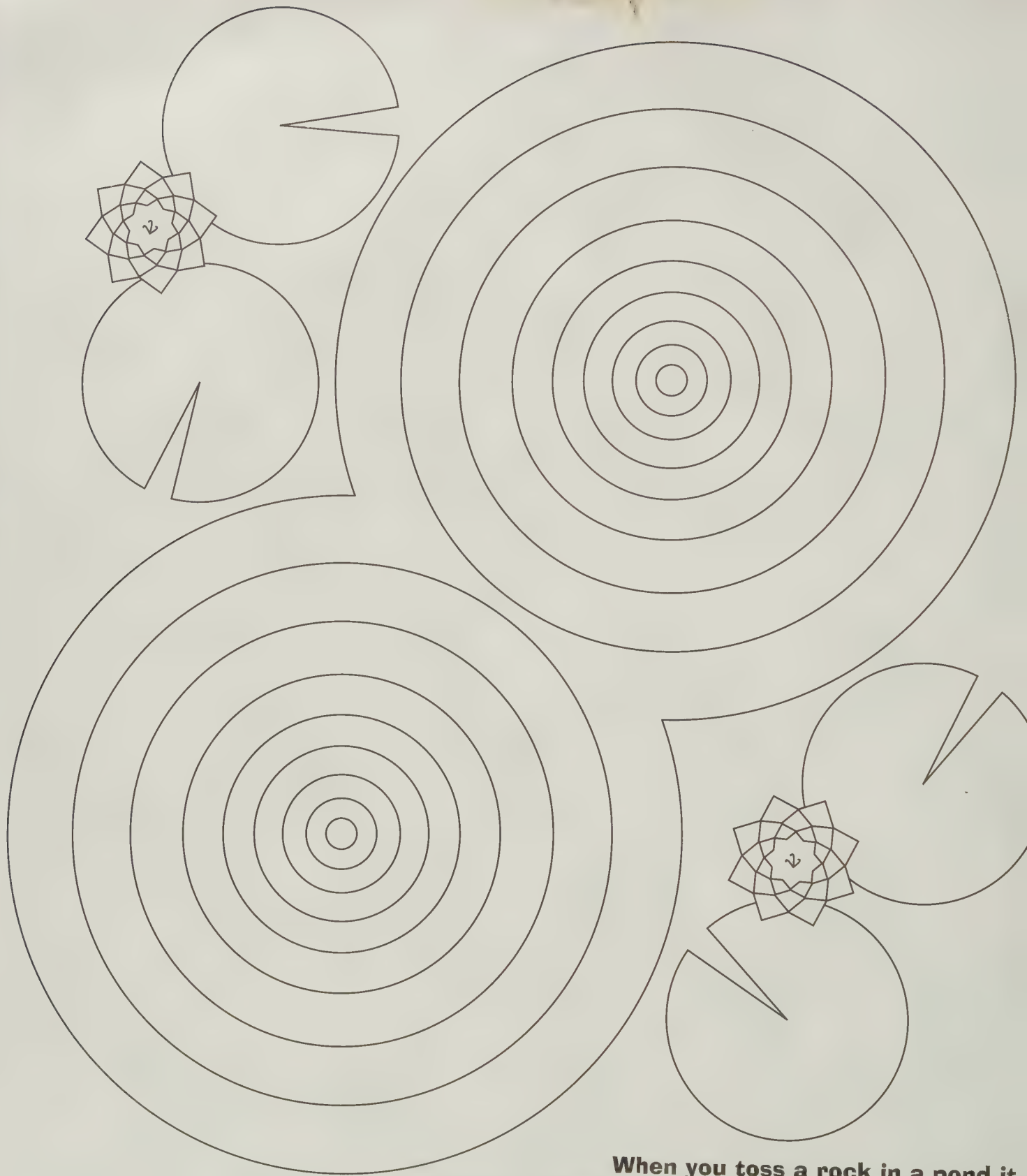
Ants can carry three times their own body weight. On the ant above trace the three shapes. Draw three shapes on the other two ants. Color the shapes.

FUN FACT: Did you know ants do not have lungs to help them breathe like other animals? Instead, ants breathe through tiny holes located all over their bodies.



What shapes are these ants carrying?
Trace them. Color the circles red, the
triangles blue, the pentagons green, the
hexagons purple and the octagons orange.



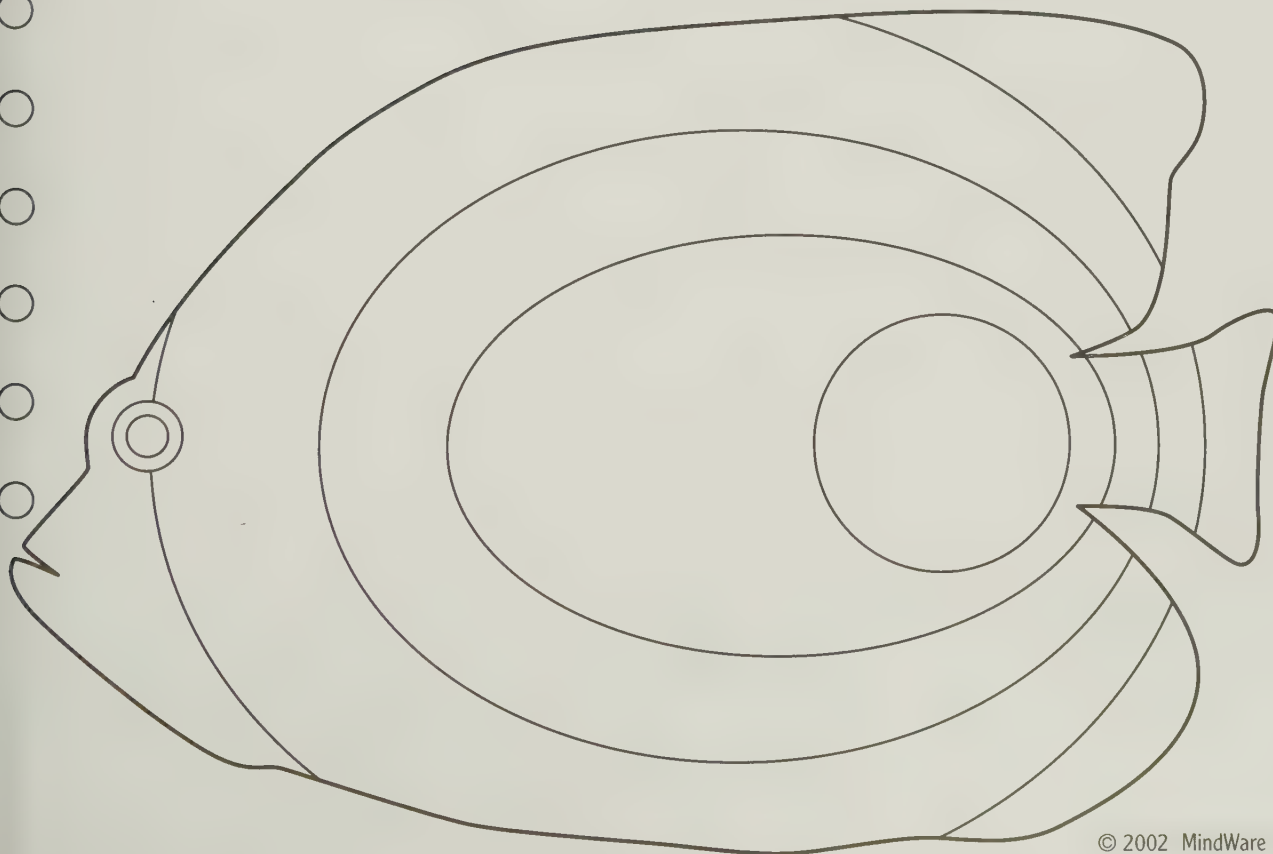
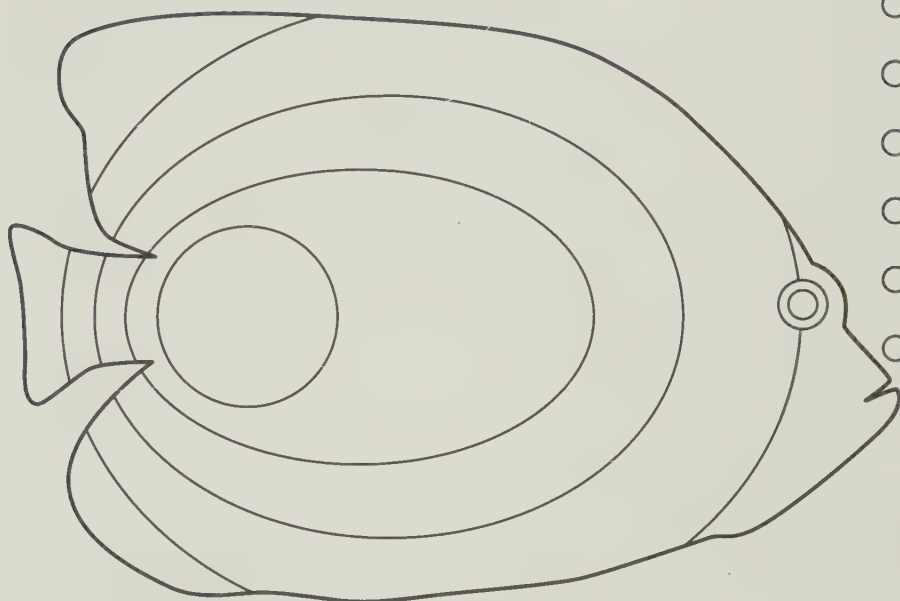
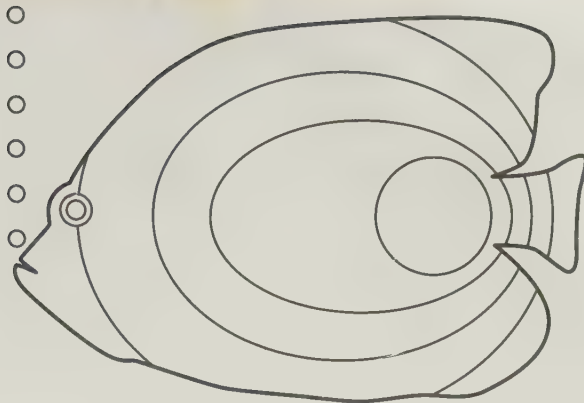


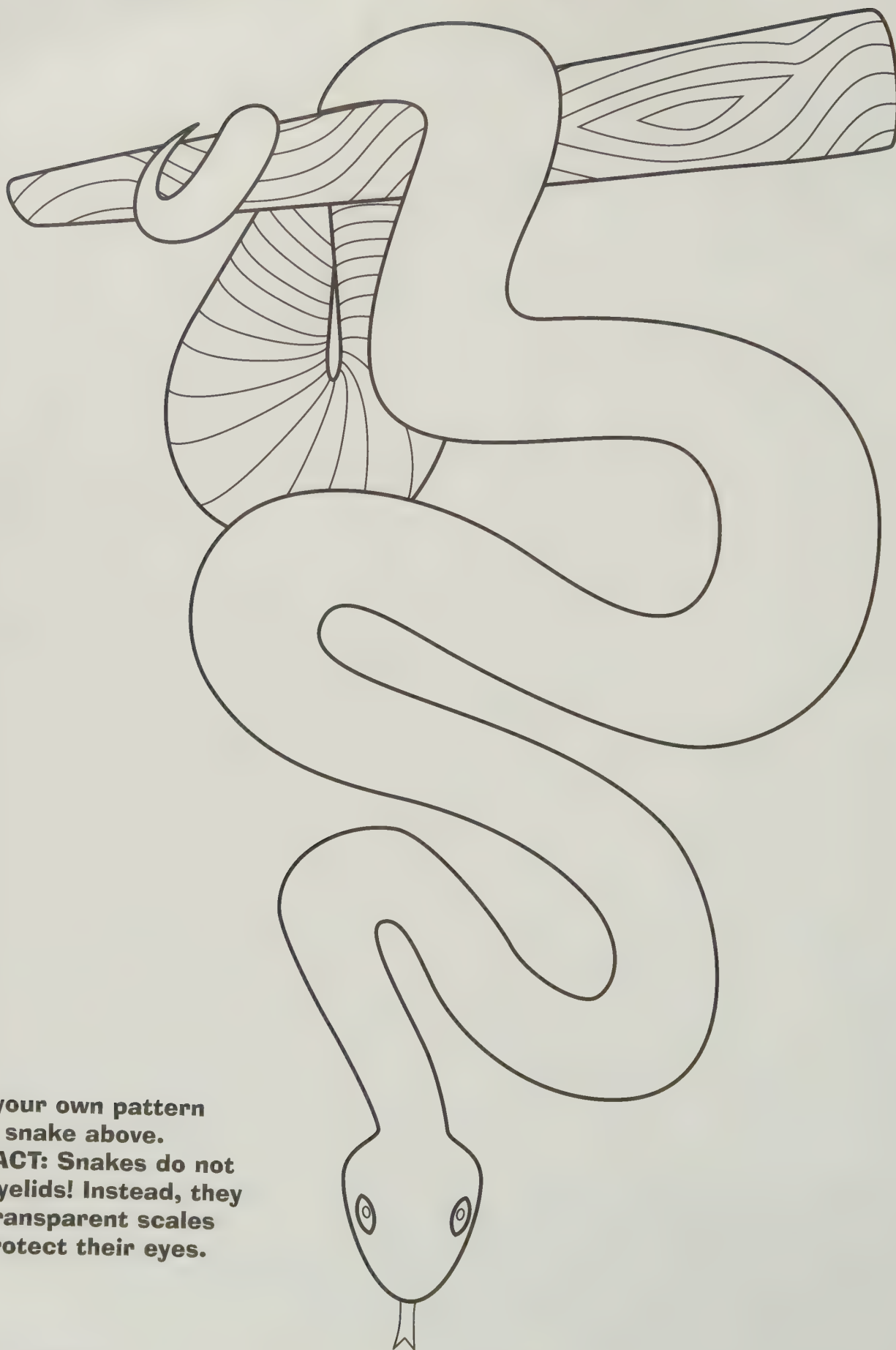
When you toss a rock in a pond it creates ripples on the water that look like circles.

Color the circles in the water a pattern you like.

FUN FACT: The Earth has been recycling its water for 3 billion years. The water cycle starts in a cloud, falls as rain, travels to the ocean and evaporates up to the clouds again.

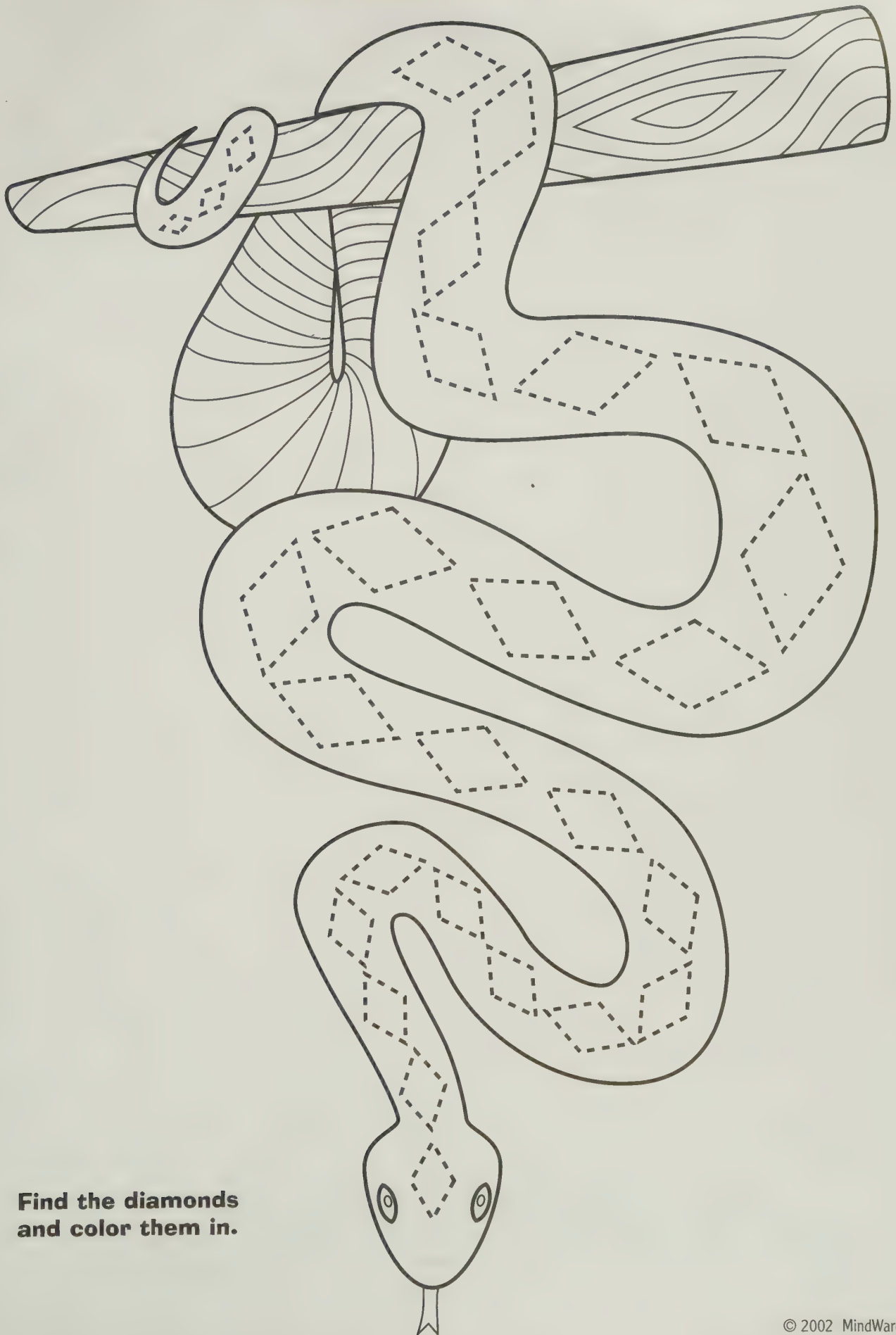
**Color each
angel fish a
different
pattern.**



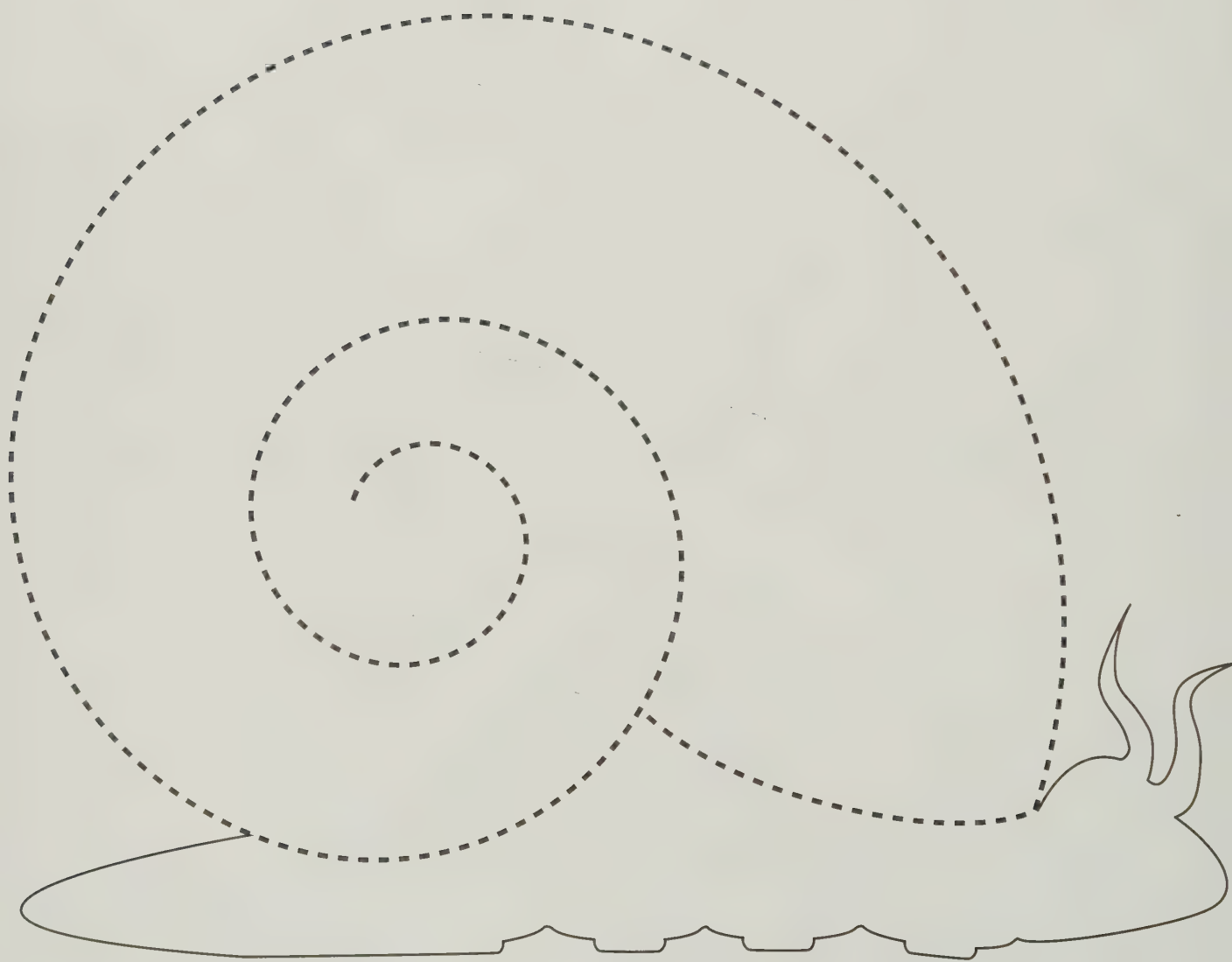


**Draw your own pattern
on the snake above.**

**FUN FACT: Snakes do not
have eyelids! Instead, they
have transparent scales
that protect their eyes.**

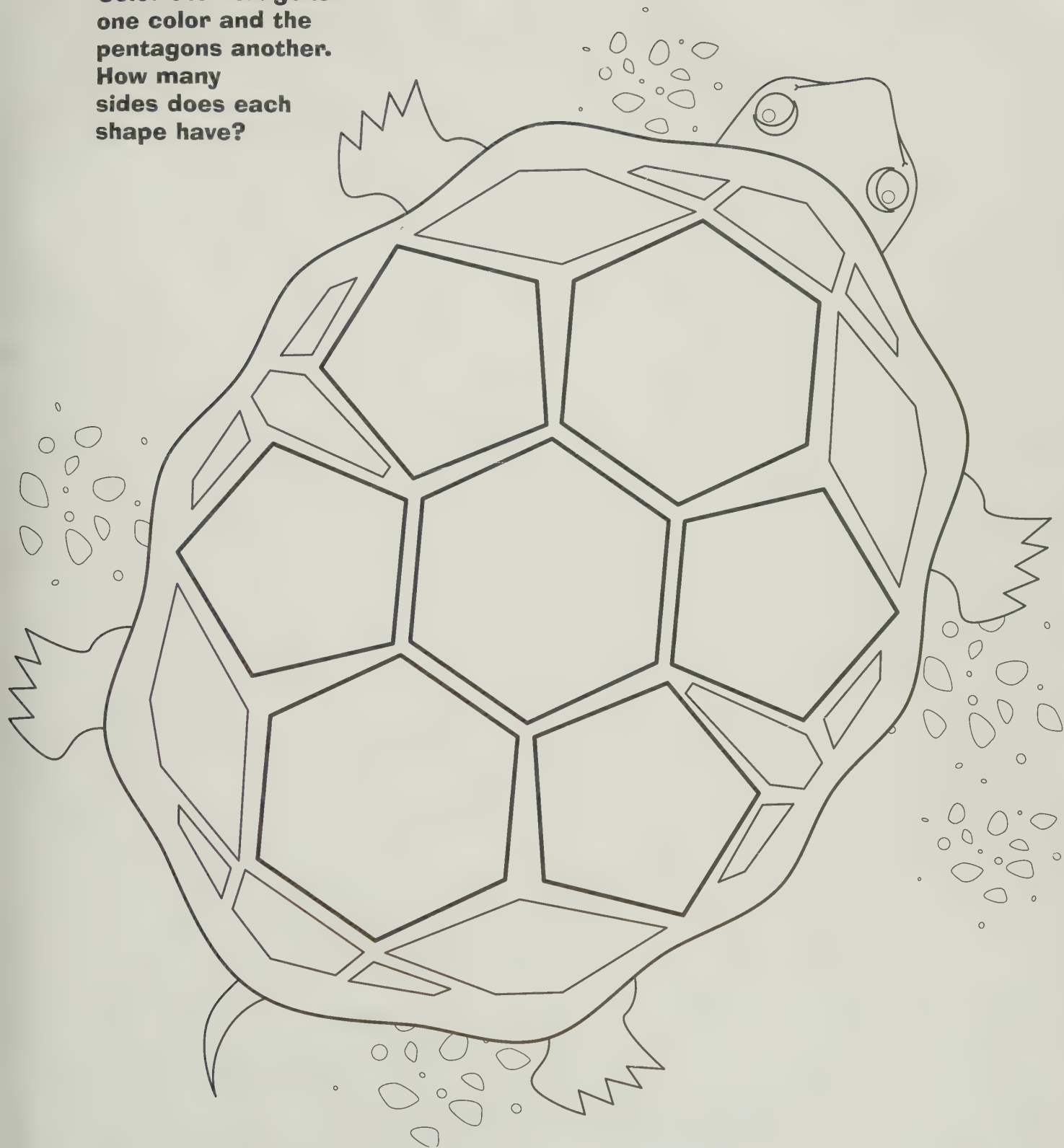


**Find the diamonds
and color them in.**



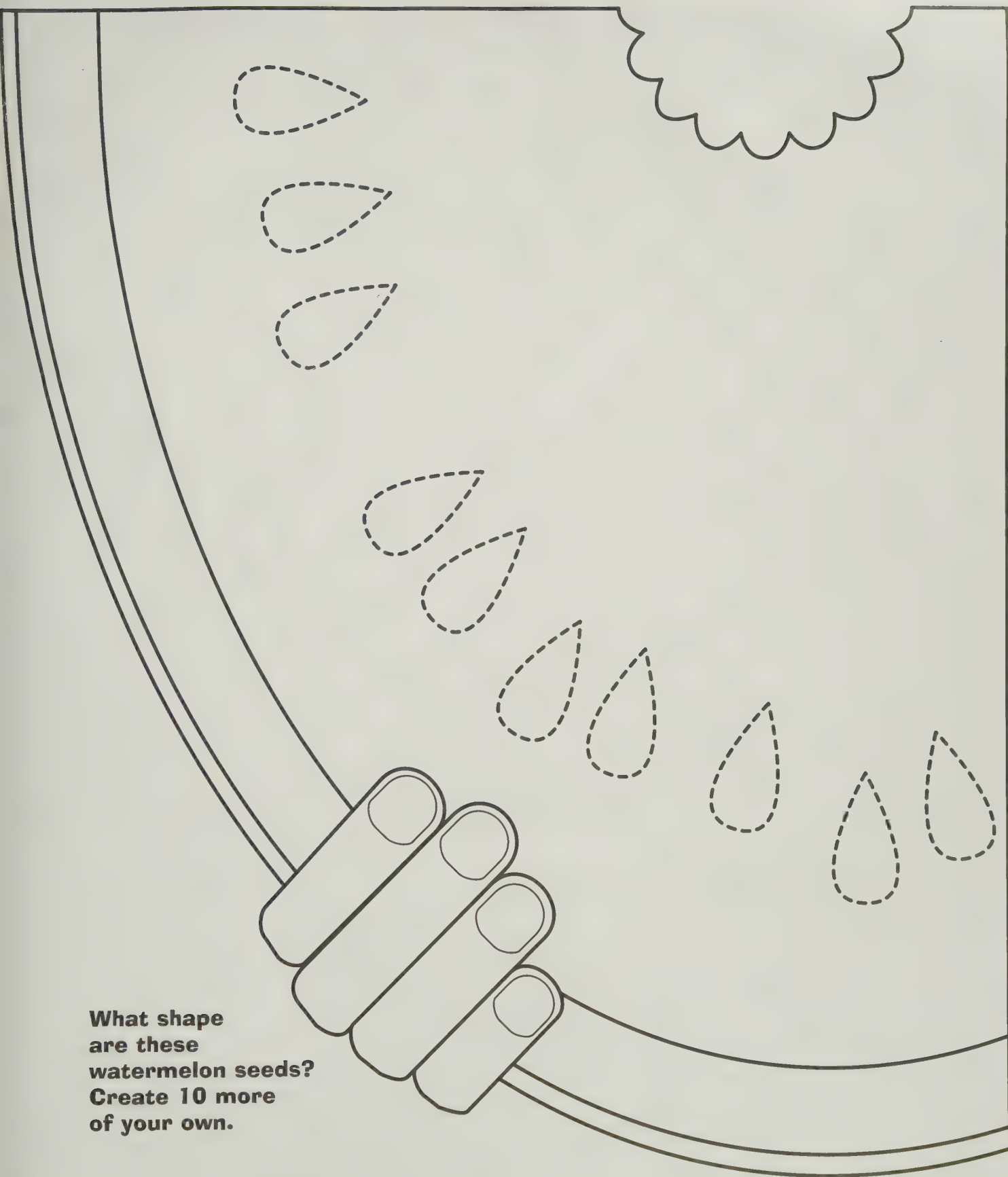
What is this animal that lives in a shell? Trace it.
FUN FACT: The turtle is the only reptile with a shell. A tortoise is a turtle that lives on land and can live to be over 100 years-old.

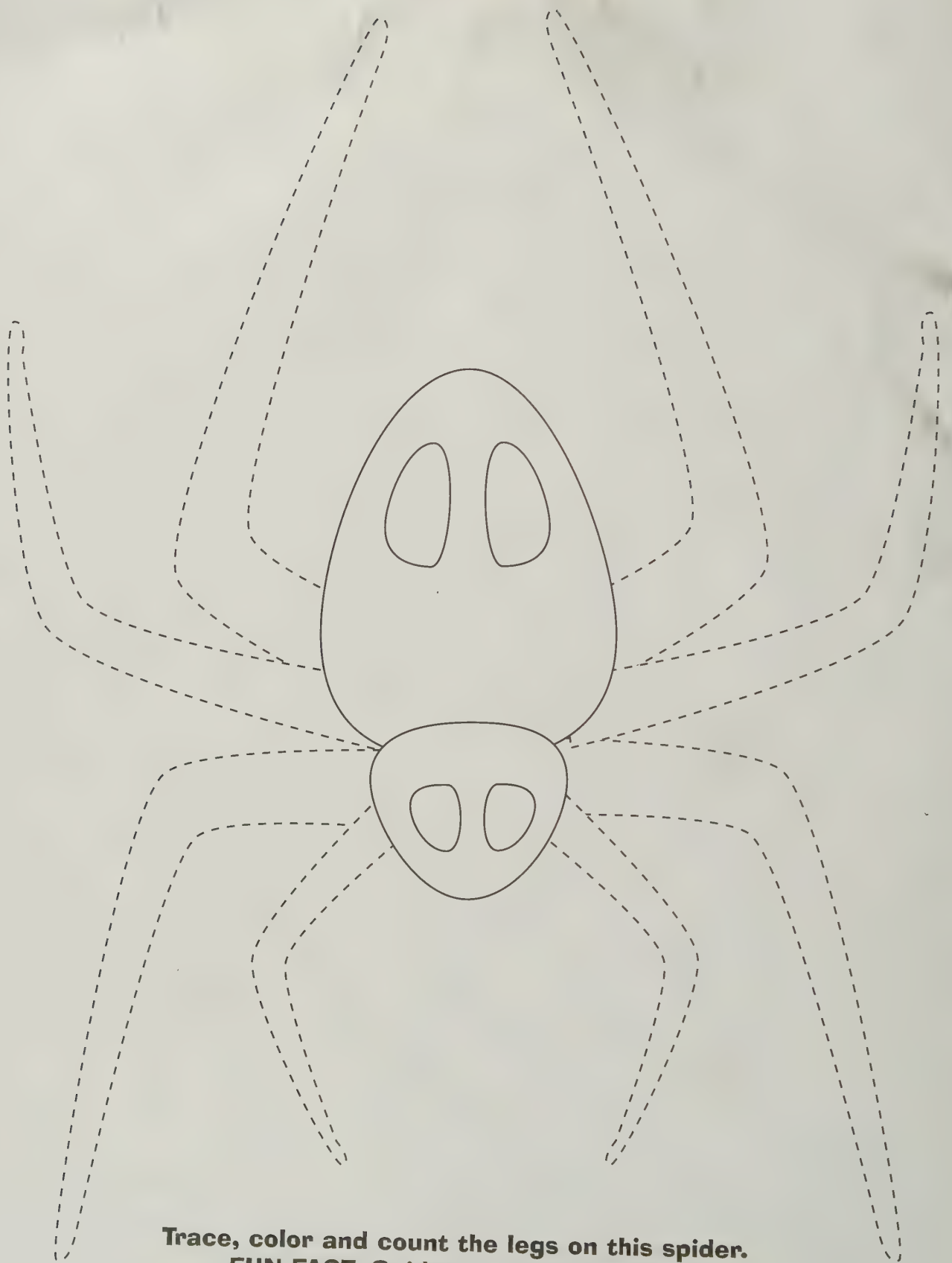
**Color the hexagons
one color and the
pentagons another.
How many
sides does each
shape have?**





The seeds of an apple are at the center of the fruit. Did you know that if you cut an apple sideways you'll find not only its seeds, but a shape? Have an adult help you cut the apple. See the cool shape? Now dip your apple in your favorite color of paint and create your own picture above by stamping your apple!





Trace, color and count the legs on this spider.
FUN FACT: Spiders are not insects.
Unlike insects, which have six legs,
spiders have eight. They belong to a
family of animals called arachnids.

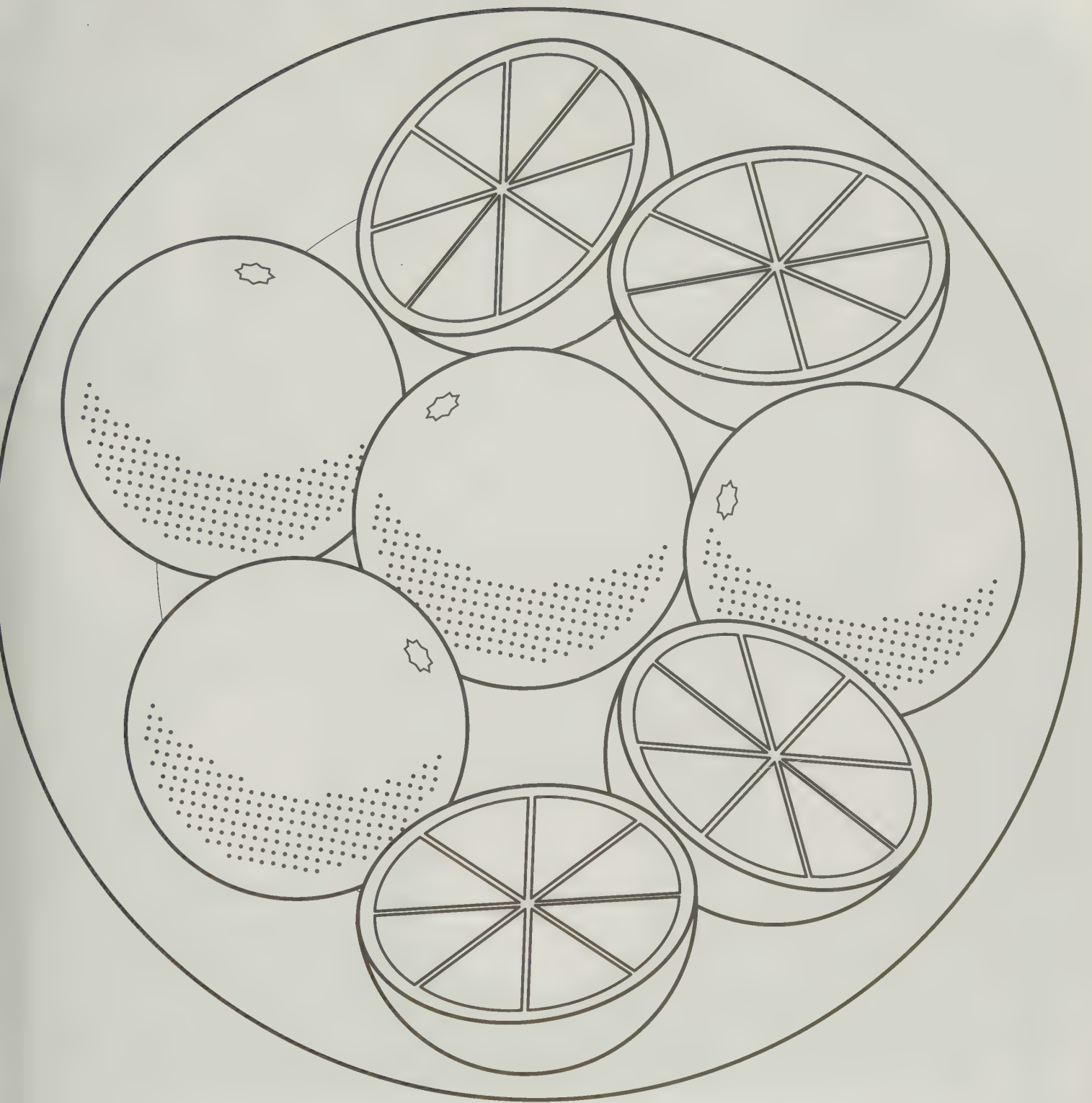


Color the lines in each section of the spiders' web a different color. What do octagons and spider legs have in common? (Hint: It has to do with the number 8.)

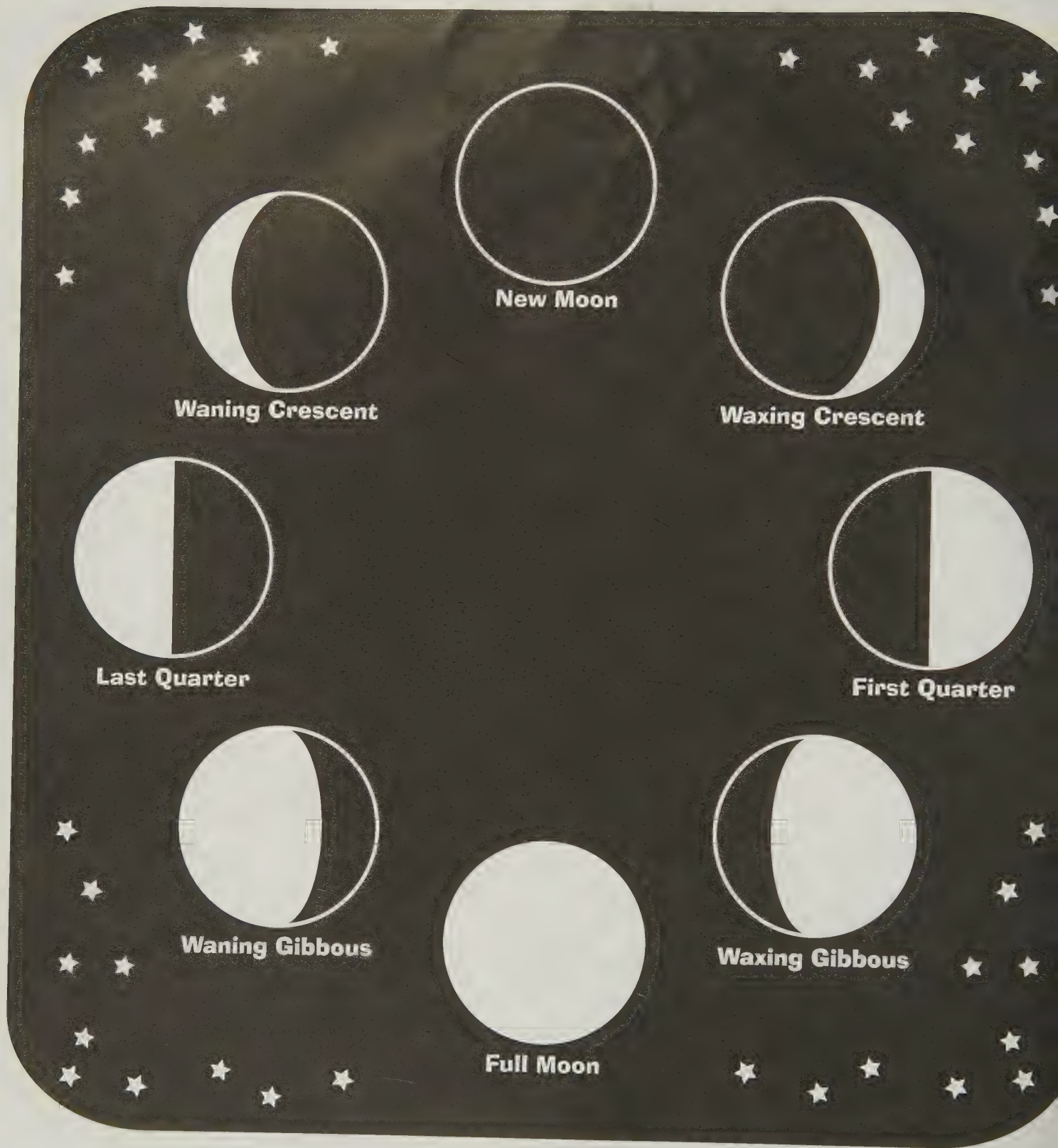


Most of the world's oranges come from Brazil, a country in South America. Trace and color South America and find it on the map above.

FUN FACT: Brazil is the world's leading grower of oranges. Half of all the world's orange juice comes from Brazil.



**How many whole oranges were on
the plate before they were cut?
Color the oranges.**



Waning Crescent

New Moon

Waxing Crescent

Last Quarter

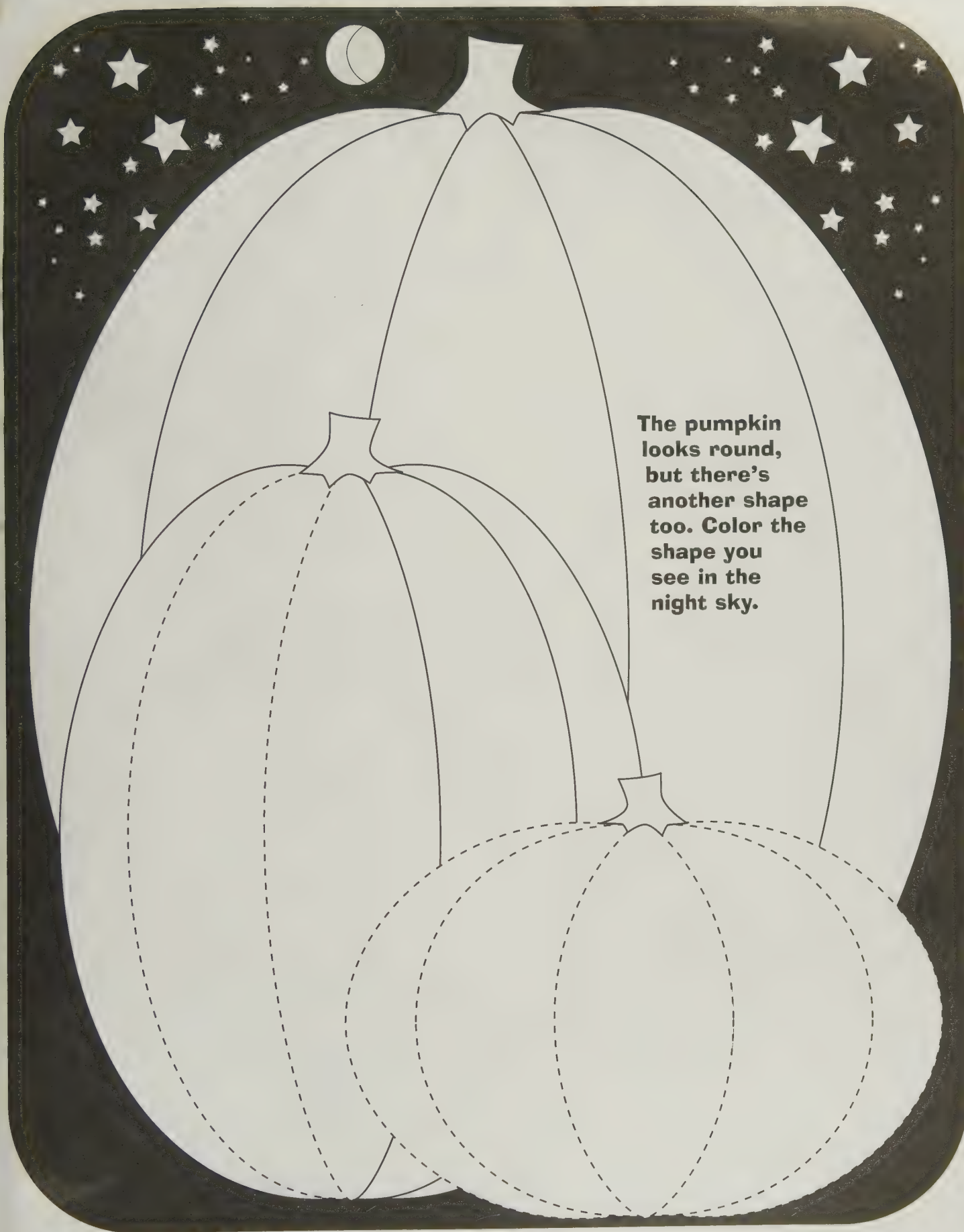
First Quarter

Waning Gibbous

Full Moon

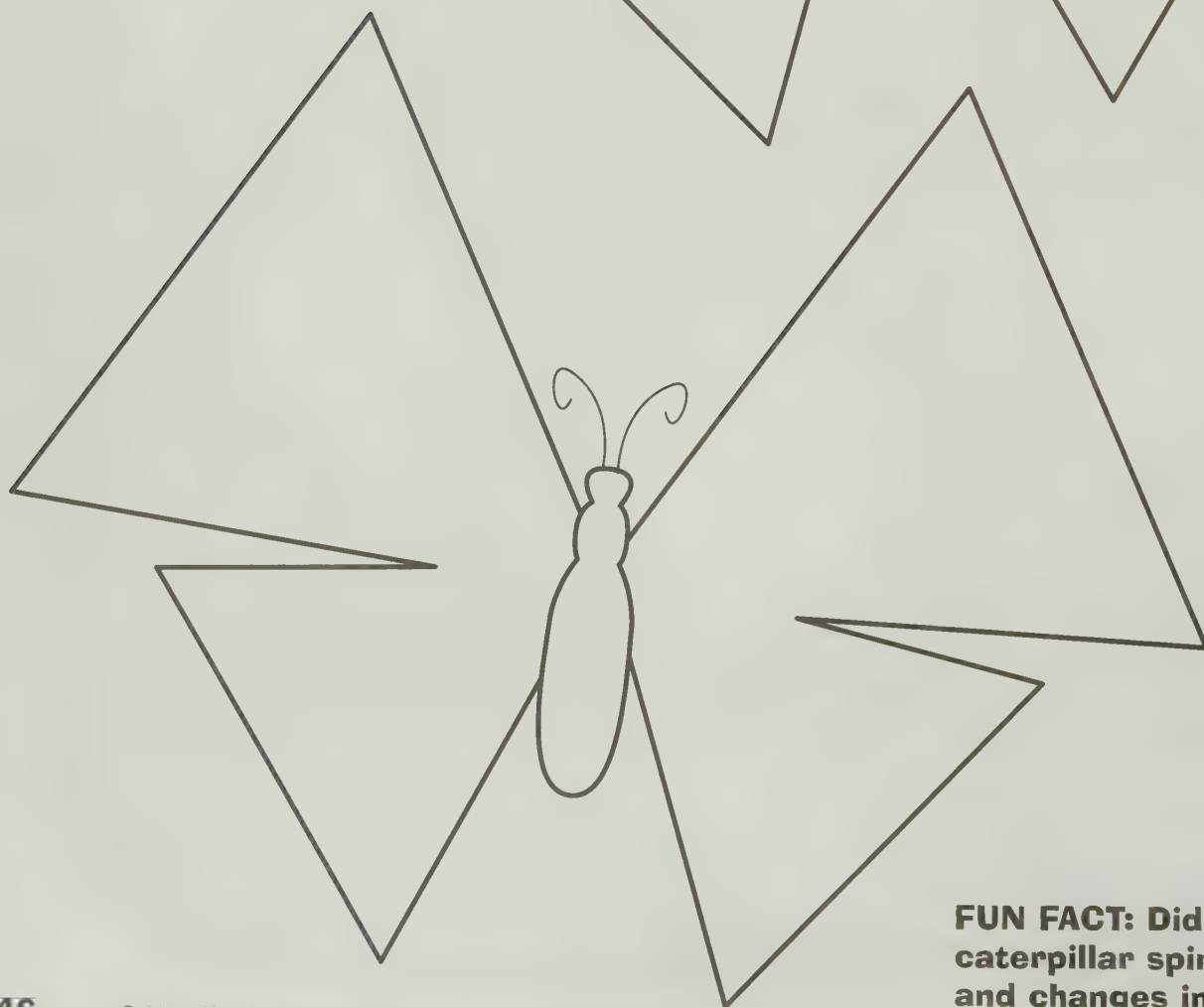
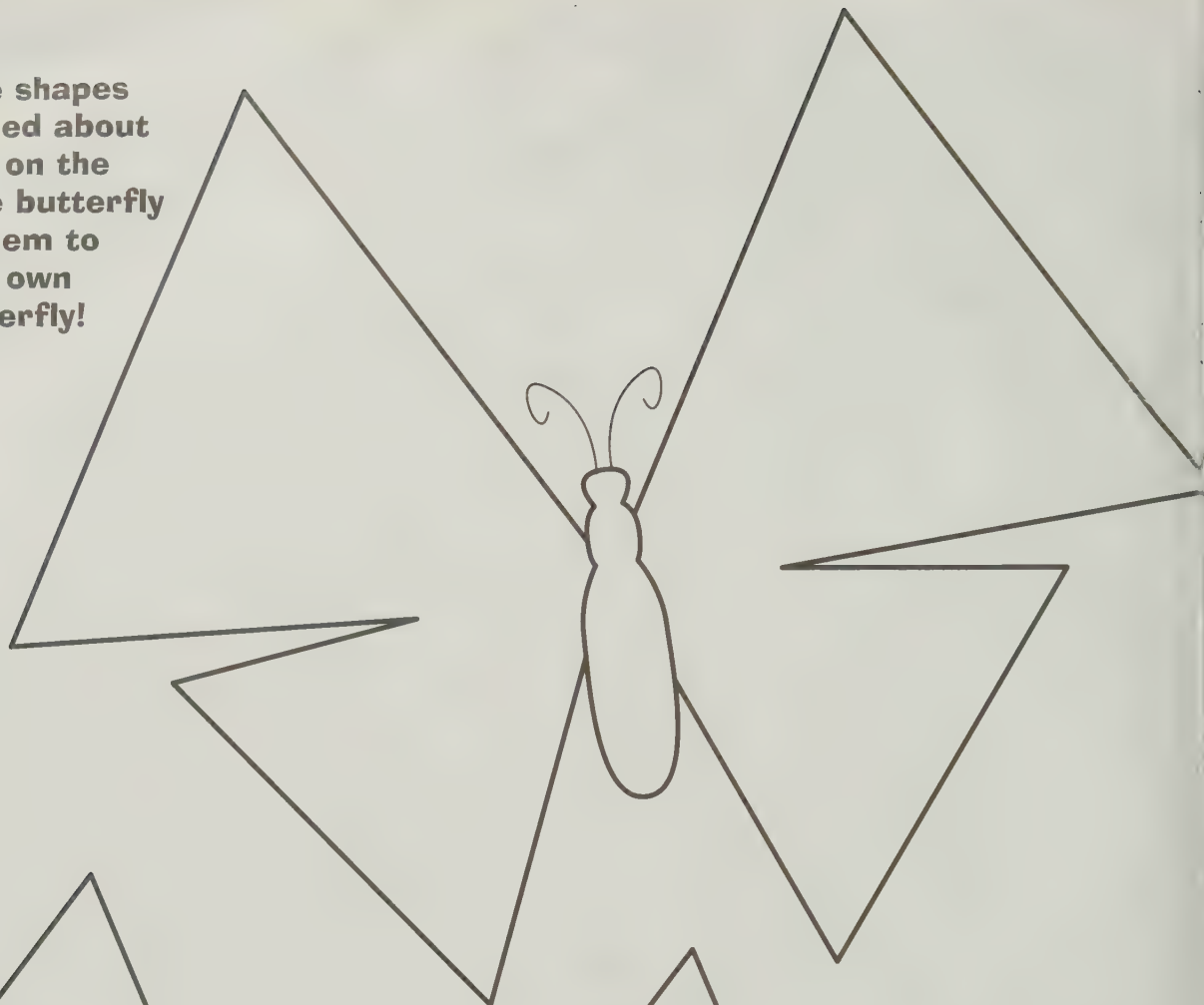
Waxing Gibbous

**The moon has eight phases. Eight phases makes one cycle.
The cycle lasts twenty-nine days.
Color the white part of the moon with a bright color.**



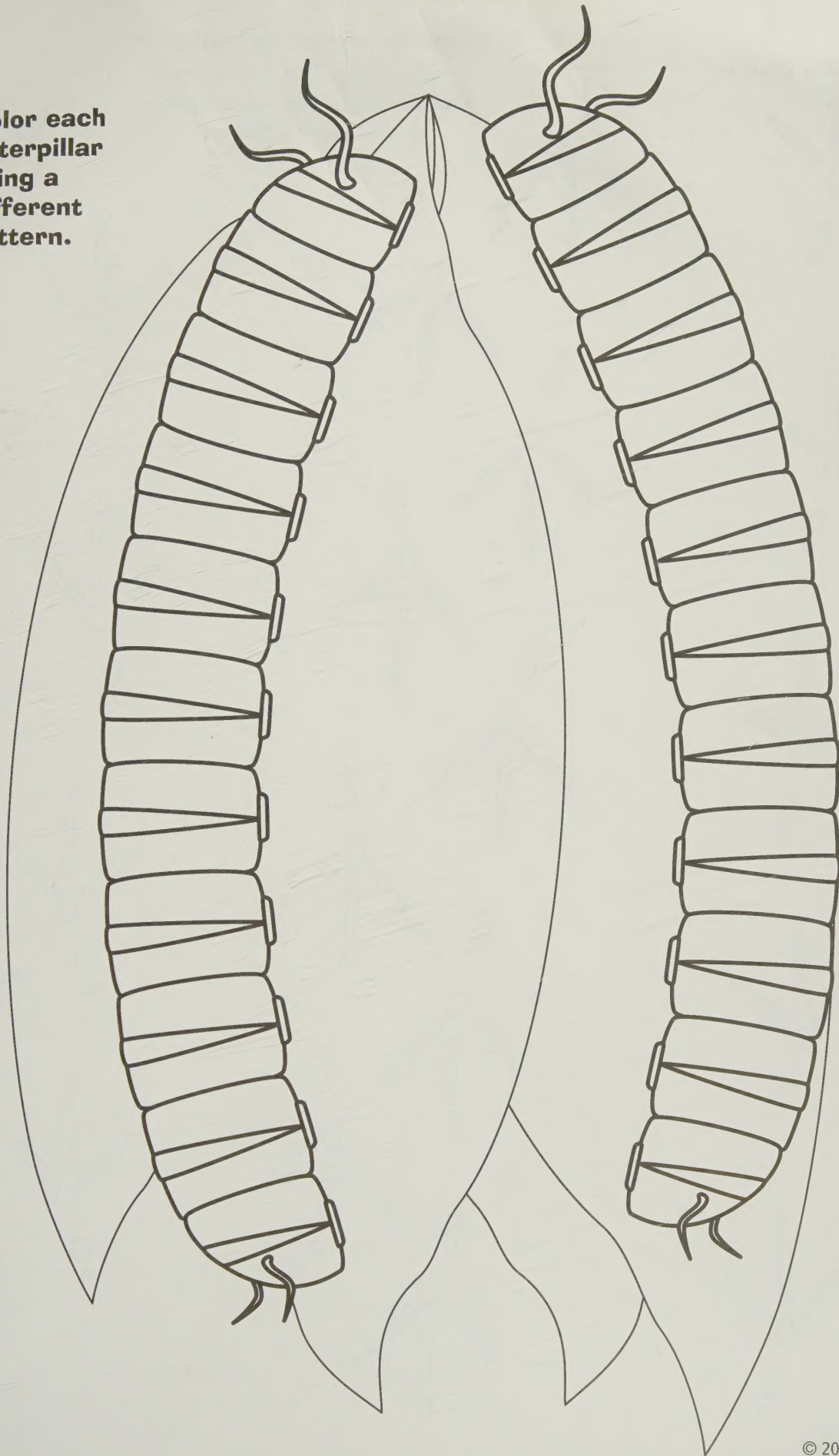
The pumpkin looks round, but there's another shape too. Color the shape you see in the night sky.

**Draw all the shapes
you've learned about
in this book on the
wings of the butterfly
and color them to
create your own
special butterfly!**

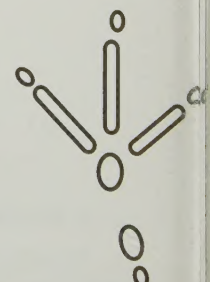
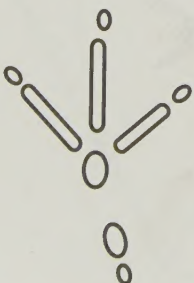
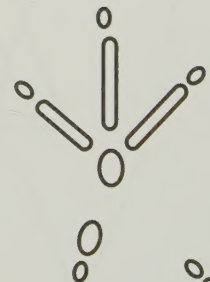
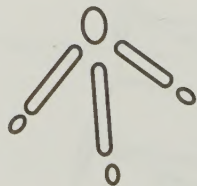
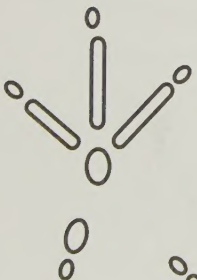
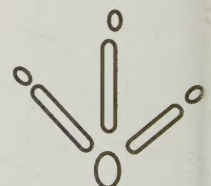
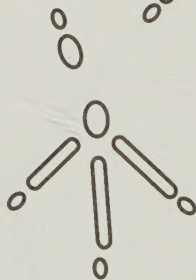
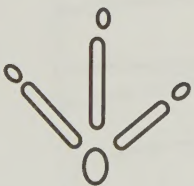
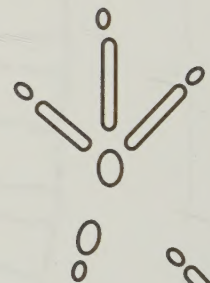
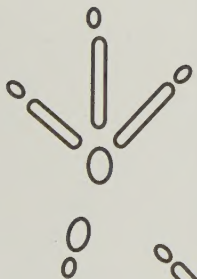
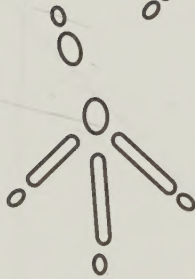
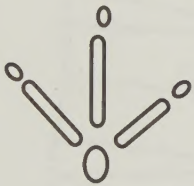
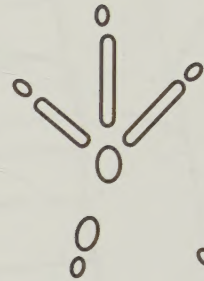
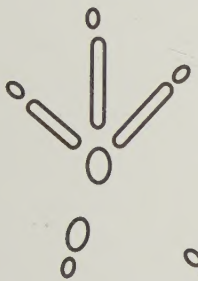
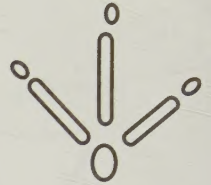
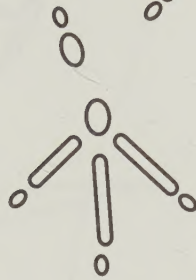
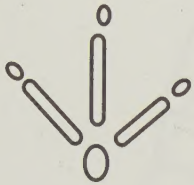
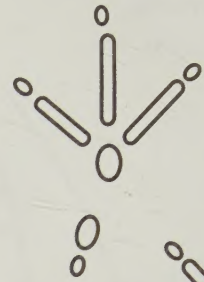
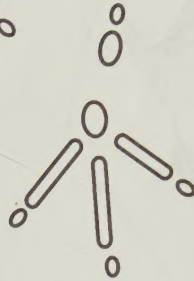
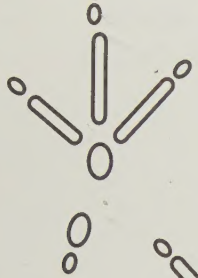
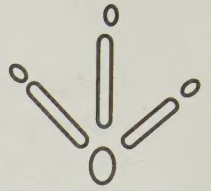
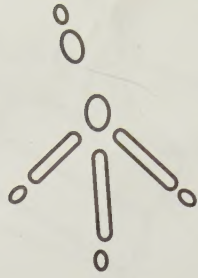
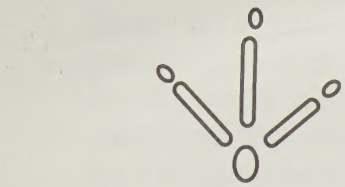


**FUN FACT: Did you know a
caterpillar spins a cocoon
and changes into a butterfly?**

**Color each
caterpillar
using a
different
pattern.**



**Turtle Dove tracks make an
angle shape in the sand!
Color each set of tracks
a different color.**



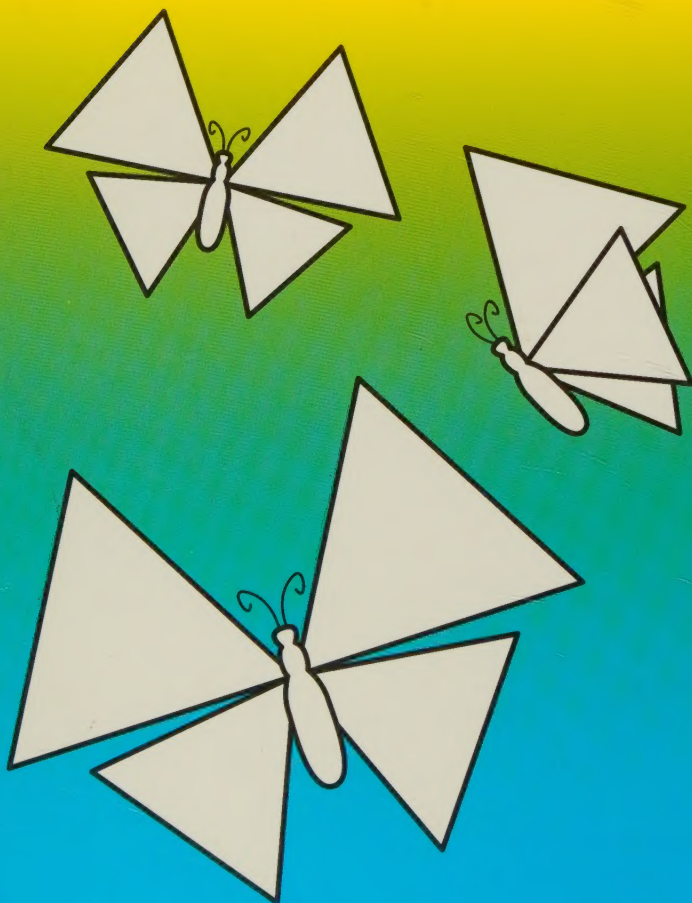
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